

Borough of Worthing.



ANNUAL REPORT

on the

HEALTH OF WORTHING

and

Meteorological Observations for the Year

1950

G. H. PRINGLE,
M.R.C.S., L.R.C.P., D.P.H.
Medical Officer of Health.



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SECTION 1.

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Health Department,
Worthing Lodge,
Stoke Abbott Road,
Worthing.

August, 1951.

*To His Worship the Mayor, Aldermen and Councillors of the Borough
of Worthing.*

Mr. Mayor, Ladies and Gentlemen,

I present herewith my fourth Annual Report on the Health of Worthing, together with the Meteorological Observations for the year.

The general standard of health of the town remained satisfactory during the year. There was no epidemic of infectious disease, although during November and December whooping cough was prevalent, a total of 152 cases being notified. There were during the year 11 cases of acute poliomyelitis with one death.

For information I have included my report on the second complete year's work as Medical Officer to the Worthing County Health Sub-Committee.

I should like to express my appreciation of the deep interest taken in the Health Services of the Borough by the Chairman and members of the Health Committee and by other members of the Council.

I also wish to record my sincere thanks to Dr. Aitken, my Deputy, to Mr. White and the District Inspectors, and to every member of the clerical staff for all their assistance and co-operation.

I am,

Mr. Mayor, Ladies and Gentlemen,

Your obedient servant,

G. H. PRINGLE,
Medical Officer of Health.

HEALTH COMMITTEE :

(as at 31st December, 1950).

COUNCILLOR R. A. MITCHELL, (*Chairman*)

COUNCILLOR T. A. CLIFFORD, (*Vice-Chairman*)

ALDERMAN E. R. WILLOUGHBY, F.R.H.S.

COUNCILLORS MRS. C. S. CORTEEN, B.A., MRS. M. M. GRAY,

MRS. M. I. KEELE, E. E. KEYS, P. H. LUMLEY, T. D. RABY, L.D.S., R.C.S.(Eng.).

MRS. D. STAPLETON SKINNER.

HEALTH DEPARTMENT STAFF:

(as at 31.12.50)

Medical Officer of Health.

G. H. PRINGLE, M.R.C.S., L.R.C.P., D.P.H.

Deputy Medical Officer of Health.

J. C. AITKEN, M.B., CH.B., D.P.H.

Chief Sanitary Inspector: S. S. WHITE, M.S.I.A., A.M.I.S.E.

Deputy Chief Sanitary Inspector:.. .. H. F. JOWETT, M.S.I.A.

District Sanitary Inspectors: T. MARSHALL, M.S.I.A.
D. E. PARKER, M.S.I.A.
A. H. MATTHEWS, M.S.I.A.

Clerical Staff:

Chief Clerk: T. L. CANTON

Clerks: S. F. JUPP
MISS B. M. WHITE
MISS P. M. MAY
D. TAYLOR

Meteorological Observers: T. L. CANTON
S. F. JUPP

Other Staff:

Rodent Operator: J. H. OGLESBY

Disinfector and General Assistant: W. T. JASPER

GENERAL STATISTICS, 1950.

Area of Municipal Borough, including foreshore	8512.742	acres
Population (Census 1921)	31,520	
Population (Census 1931)	46,230	
Registrar-General's Estimate of Resident Population (1950) ..	68,350	
Number of inhabited houses (1921)	7,710	
Number of inhabited houses (1.4.1950)	22,432	
Rateable Value (1.4.1950)	£1,000,098	
Sum represented by a penny rate, 1949-50	£4,077	2s. 1d.

BIRTH RATE. 10.4 per 1,000 population. Birth-rate after correction by the factor received from the Registrar-General, 12.4 per 1,000.

England and Wales, 16.2 per 1,000.

DEATH RATES. 19.5 per 1,000 population. Death-rate after correction by the factor received from the Registrar-General, 10.9 per 1,000. England and Wales 11.6 per 1,000. Maternal Mortality 1.40 per 1,000 births.

England and Wales, 0.86 per 1,000 births. Infantile Mortality 31.4 per 1,000 live births. England and Wales, 29.8 per 1,000 live births.

Zymotic death-rate, 0.04 per 1,000 population.

MEAN ANNUAL TEMPERATURE (1950) 51.4 degrees Fahr.

HOURS OF BRIGHT SUNSHINE (1950), 1805.4 hours; daily average, 4.94 hours; Summer, 6.79 hours; Winter, 3.09 hours.

TOTAL RAINFALL (1950) 26.95 inches

VITAL STATISTICS.

The Registrar-General's estimate of the mid-year population of Worthing was 68,350 as compared with 67,940 in 1949. The population of Worthing at the Census taken in April 1931 was 46,230 and the Registrar-General's estimate for 1950 therefore indicates an increase of 22,120 (or 48 per cent) since the Census and 410 during 1949-50.

The Registrar-General's estimate of the mid-year population of the Borough (68,350) has been adopted for the purpose of the statistics contained in this Report.

BIRTHS.

The number of registered births (live and still) was 714 namely:—

	Total	Male	Female
Live Births-Legitimate ..	657	326	331
Illegitimate ..	43	20	23
Still Births-Legitimate ..	12	4	8
Illegitimate ..	2	—	2

The Registrar-General has introduced for the first time this year a factor for the purpose of rendering the birth-rate of the Borough comparable with that of a district the population of which is of standard age and sex distribution. Accordingly the birth-rate is now multiplied by this factor which represents the birth-rate for comparison with other districts. The birth-rate of Worthing for 1950 adjusted in this manner is raised from 10.4 to 12.4 per 1,000 of the population. The birth rate for England and Wales is 16.2 per 1,000.

Birth-rate per 1,000 population:—

Live Births	10.2
Still Births	0.21

Birth-rate per 1,000 population after applying
“Area Comparability Factor”:—

Live Births	12.1
Still Births	0.24

Birth-rate (Live and Still) per 1,000 population 10.4

Birth-rate (Live and Still) per 1,000 population after applying “Area Comparability Factor”:— 12.4

Still Birth-rate per 1,000 (Live and Still) births 19.6

Illegitimate births numbered 45 or 6.3 per cent of the total births.

STILL-BIRTHS.

The registration of still-births is made compulsory by the Births and Deaths Registration Act, 1926.

During 1950 there were 14 still-births registered to Worthing residents representing a still-birth rate of 19.6 per 1,000 births (live and still) registered. Of the 14 still-births 2 (14.3 per cent) were registered as illegitimate.

DEATHS.

The number of deaths registered in the Borough during 1950 was 1,231. Of these 154 were deaths of non-residents and were transferred to the districts in which the persons ordinarily resided. There were on the other hand 259 deaths of Worthing residents registered outside the Borough. The total (corrected) number of deaths assigned to the Borough was 1,336 (males 508, females 828). This gives a recorded death-rate of 19.5 compared with 11.6 for England and Wales. This recorded death rate, however, which is a crude rate, cannot be used to compare the mortality with that of other districts as the populations of all areas are not similarly constituted as regards the proportions of their sex and age group components.

The Registrar-General supplies an "Area Comparability Factor" and the crude death rate multiplied by this figure can then be compared with the death rate of the country as a whole or with the mortality of any other local area. The corrected death-rate so obtained is 10.9 per 1,000 population.

INFANT MORTALITY.

During 1950 the deaths of 22 infants under one year of age were registered. The total number of live births registered during the year was 700 giving an infantile mortality rate of 31.4 per 1,000 live births. The infantile mortality rate in England and Wales during 1950 was 29.8.

Although this rate is the highest for three years it is below the average for the past decade.

The mortality rate in Worthing among female infants has during the last five years been roughly three-fifths of that for male infants the actual figures being, females 13.2, males 21.5 per 1,000 births.

There were 16 deaths of infants during the first four weeks of life (or 72.8 per cent of the total infant deaths) as compared with 10 deaths (or 62.5 per cent) in 1949.

The causes of the 22 infant deaths are shown in detail on page

MATERNAL MORTALITY.

There was one death during the year.

CANCER MORTALITY.

The number of deaths of Worthing residents from Cancer was 237 (males 87, females 150) as compared with 213 in 1949, 183 in 1948, 200 in 1947, 196 in 1946 and 204 in 1945. The death rate from the disease per 1,000 of the population was 3.47. The deaths from cancer constitute 17.7 per cent of the total Worthing deaths during the year.

The following gives the comparative average death-rates from Cancer in Worthing for quinquennial periods since 1910, and for each year since 1945:—

1910-1914	..	..	1.32	1940-1944	..	..	3.11
1915-1919	..	..	2.01	1945	..	..	3.48
1920-1924	..	..	1.94	1946	..	..	3.02
1925-1929	..	..	2.29	1947	..	..	3.00
1930-1934	..	..	2.33	1948	..	..	2.71
1935-1939	..	..	2.53	1949	..	..	3.10
			1950	..	..	..	3.47

The following table shows the localisation of the disease in the case of the 237 deaths recorded.

Localisation				No. of deaths		
				Male	Female	Total
Stomach	..	..	..	12	22	34
Lungs	..	..	..	15	6	21
Breast	..	..	..	—	31	31
Uterus	..	..	..	—	9	9
Other and unspecified organs	..			60	82	142
Total	..			87	150	237

INFLUENZA AND PNEUMONIA MORTALITY.

There were 57 deaths from these diseases as against 46 in 1949, 36 in 1948, 42 in 1947 and 50 in 1946. The mortality rate per 1,000 of the population was 0.83, as compared with 0.63 in 1949, 0.56 in 1948, 0.63 in 1947 and 0.77 in 1946. The rate for England and Wales in 1950 was 0.56 per 1,000 population.

TUBERCULOSIS MORTALITY.

Deaths from Tuberculosis numbered 25, of which 22, (i.e. 88 per cent.) were due to pulmonary tuberculosis.

The death-rate from Tuberculosis was 0.37 per 1,000 population compared with 0.26 in 1949, 0.34 in 1948 and 0.38 in 1947.

The rate for England and Wales in 1950 was 0.36 per 1,000 population.

DEATHS FROM HEART DISEASE.

Of the 1,336 deaths, heart disease caused roughly 1 in every 3 (males 196, females 329). It represented 39.3 per cent of the total deaths from all causes and was equivalent to a death rate of 7.68 per 1,000 of the population.

VITAL STATISTICS 1908—1950. TABLE I.

Year.	Deaths.															Registrar General's Population
	Births.		All causes.		Infants under 1 year.		Maternal Mortality		Zymotic.		Tuberculosis		Cancer.			
	No.	R.*	No.	R.*	No.	R.**	Sepsis.	Other Causes	Rate†	No.	R.*	No.	R.*	No.	R.*	
1908	531	19.9	414	15.6	58	109	1	4	9.42	18	0.67	37	1.39	47	1.77	
9	518	19.0	360	13.2	39	75	—	—	—	12	0.44	45	1.65	33	1.21	
10	548	19.7	388	13.9	36	66	1	—	1.89	8	0.28	43	1.55	41	1.47	
11	532	17.4	397	13.0	56	105	—	—	—	50	1.64	37	1.21	45	1.47	
12	486	15.5	355	11.3	20	41	—	—	—	5	0.16	37	1.18	37	1.18	
13	504	15.6	400	12.4	34	67	1	1	3.97	12	0.37	27	0.84	39	1.22	
14	483	14.6	428	13.0	29	60	—	1	2.07	18	0.54	34	1.03	42	1.27	
15	457	14.2	507	15.9	28	61	—	3	6.56	14	0.44	56	1.75	49	1.53	
16	468	15.5	418	15.5	31	66	—	—	—	7	0.18	46	1.66	58	2.09	
17	359	11.9	415	15.0	23	64	—	—	—	9	0.32	41	1.48	63	2.28	
18	419	12.9	511	17.7	32	76	—	—	—	13	0.45	38	1.32	73	2.53	
19	376	12.1	478	15.7	21	56	1	—	2.39	4	0.13	35	1.15	49	1.61	
20	583	18.5	434	13.7	23	39	—	—	—	6	0.19	29	0.92	50	1.58	
21	487	15.5	441	14.0	29	59	1	2	5.43	7	0.20	32	1.02	63	1.99	
22	404	12.8	472	15.0	21	52	1	—	1.95	2	0.08	35	1.11	59	1.87	
23	401	12.8	428	13.6	18	45	1	1	3.89	4	0.14	26	0.83	55	1.75	
24	426	13.3	537	16.6	21	49	—	1	2.35	2	0.07	32	0.99	81	2.51	
25	442	13.4	452	13.7	21	48	—	1	2.26	9	0.27	28	0.85	60	1.82	
26	423	12.1	536	15.3	17	40	—	1	2.36	5	0.14	30	0.85	90	2.56	
27	432	11.9	571	15.7	20	46	1	2	6.94	7	0.19	28	0.76	84	2.31	
28	462	12.2	548	14.4	17	37	1	1	4.33	12	0.31	26	0.68	87	2.29	
29	494	11.9	684	16.5	12	24	—	1	2.02	4	0.10	34	0.82	103	2.49	
30	534	12.6	640	15.1	18	36	—	2	3.75	3	0.07	37	0.87	104	2.46	
31	553	12.5	690	15.5	20	37	2	2	7.23	5	0.11	46	1.04	101	2.28	
32	513	11.0	781	16.8	20	39	4	3	13.64	9	0.20	39	0.84	101	2.17	
33	514	10.6	715	14.7	18	38	2	—	3.89	6	0.12	33	0.68	104	2.14	
34	615	11.9	756	14.6	12	20	—	1	1.63	3	0.06	34	0.66	133	2.58	
35	621	11.5	744	14.0	25	40	1	—	1.61	4	0.07	36	0.67	125	2.32	
36	687	12.4	870	15.6	23	35	—	3	4.36	3	0.05	25	0.45	153	2.75	
37	729	12.4	916	15.6	33	45	—	—	—	2	0.03	42	0.72	138	2.35	
38	712	10.8	917	15.5	20	29	—	1	1.40	4	0.07	31	0.52	151	2.56	
39	763	12.4	1035	16.9	18	23	1	1	2.60	4	0.06	26	0.34	163	2.66	
40	657	9.6	1165	17.6	32	49	—	2	3.00	5	0.07	48	0.70	186	2.73	
41	590	10.1	1044	18.7	22	36	—	1	1.80	3	0.05	39	0.70	161	2.88	
42	724	13.3	1116	20.5	25	35	1	1	2.80	3	0.05	23	0.42	189	3.47	
43	775	14.3	1073	20.4	24	32	—	3	3.90	1	0.01	33	0.63	169	3.22	
44	924	17.1	1037	19.2	40	44	—	2	2.10	10	0.18	23	0.42	177	3.27	
45	811	13.8	1173	20.0	31	39	—	1	1.20	2	0.03	32	0.54	204	3.48	
46	1059	16.3	1223	18.8	50	48	—	—	—	11	0.17	22	0.34	196	3.02	
47	1003	15.0	1251	18.7	31	32	—	—	—	4	0.04	26	0.38	200	3.00	
48	861	12.8	1103	16.3	20	24	—	—	—	—	—	23	0.34	183	2.71	
49	818	12.0	1209	17.8	16	20	—	1	1.20	2	0.03	18	0.26	213	3.10	
50	714	10.4	1336	19.5	22	31	—	1	1.40	3	0.04	25	0.37	237	3.47	

† Per 1,000 Total (Live & Still) Births.

** Per 1,000 Live Births.

* Per 1,000 Population. (unadjusted)

* Per 1,000 Population.
(unadjusted)

** Per 1,000 Live Births.

† Per 1,000 Total (Live & Still) Births.

TABLE II.

BIRTH RATES, CIVILIAN DEATH RATES, ANALYSIS OF MORTALITY,
MATERNAL MORTALITY, AND CASE RATES FOR CERTAIN
INFECTIOUS DISEASES IN THE YEAR 1950.

(Provisional figures based on Quarterly Returns).

	England and Wales	126 County Boroughs and Great Towns, including London	148 Smaller Towns (Resident Popu- lations 25,000 to 50,000 1931 Census)	London Administra- tive County	Worthing
Rates per 1,000 Population.					
Births:					
Live	15.8	17.6	16.7	17.8	12.1
Still	0.37	0.45	0.38	0.36	0.21
Deaths:					
All causes ..	11.6	12.3	11.6	11.8	10.9
Typhoid and ..					
Para-Typhoid ..					
Fevers ..	0.00	0.00	0.00	0.00	0.00
Smallpox ..	—	—	—	—	—
Pneumonia ..	0.46	0.49	0.45	0.48	0.56
Tuberculosis ..	0.36	0.42	0.33	0.39	0.37
Whooping					
Cough	0.01	0.01	0.01	0.01	0.00
Diphtheria ..	0.00	0.00	0.00	0.00	0.00
Influenza ..	0.10	0.09	0.10	0.07	0.25
Acute					
Poliomyelitis & Polioencephalitis	0.02	0.02	0.02	0.01	0.01
Notifications:					
(corrected):					
Typhoid Fever	0.00	0.00	0.00	0.01	0.01
Paratyphoid					
Fever	0.01	0.01	0.01	0.01	—
Meningococcal					
Infection ..	0.03	0.03	0.02	0.03	0.01
Scarlet Fever	1.50	1.56	1.61	1.23	1.10
Whooping					
Cough	3.60	3.97	3.15	3.21	2.23
Diphtheria ..	0.02	0.03	0.02	0.03	—
Erysipelas ..	0.17	0.19	0.16	0.17	0.12
Smallpox ..	0.00	0.00	—	—	—
Measles ..	8.39	8.76	8.36	6.57	1.64
Pneumonia ..	0.70	0.77	0.61	0.50	0.47
Acute					
Poliomyelitis					
(including Polio- encephalitis)					
Paralytic ..	0.13	0.12	0.11	0.08	0.12
Non-Paralytic	0.05	0.05	0.06	0.05	0.04
Food Poisoning	0.17	0.16	0.14	0.25	0.25
Rates per 1,000 Live Births.					
Deaths:					
All causes under 1 year of age ..	29.8	33.8	29.4	26.3	31.4
Diarrhoea and Enteritis under 2 years of age ..	1.9	2.2	1.6	1.0	0.03
Rates per 1,000 Total Births (i.e., Live and Still).					
Maternal Mortality:					
	0.86	< —	Not Available	— >	1.40
Notifications: ..					
Puerperal Fever and Pyrexia ..	5.81	7.43	4.33	6.03	0.10

TABLE III

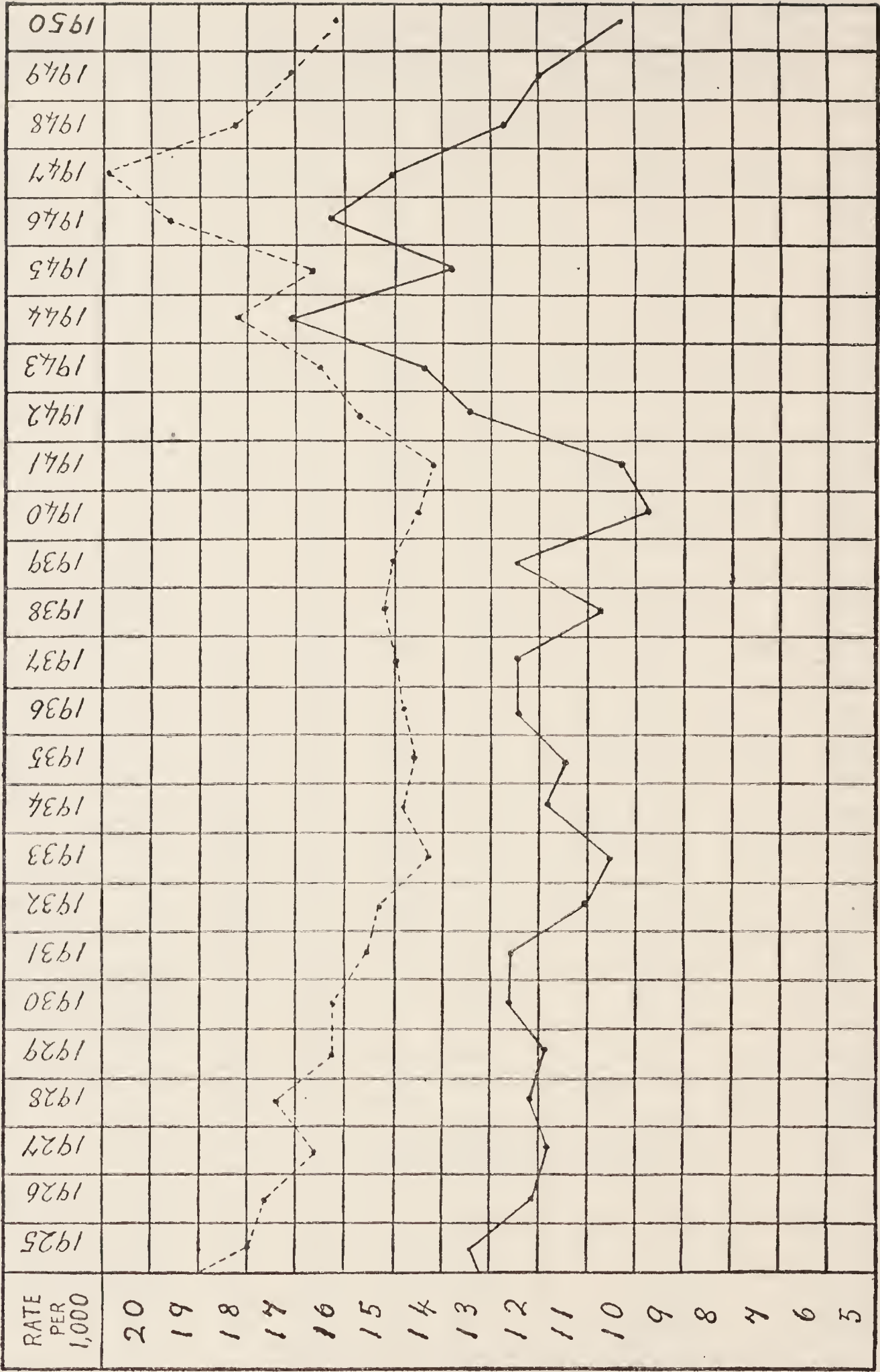
BIRTHS

The following table shows the number of births, and birth rate of Worthing, for the last 40 years.

		Total Births	Males	Females	Birth Rate	Adjusted Birth Rate
1910	..	548	285	263	19.7	—
1911	..	532	277	255	17.4	—
1912	..	486	246	240	15.5	—
1913	..	504	251	253	15.6	—
1914	..	483	233	250	14.6	—
1915	..	457	231	226	14.2	—
1916	..	468	225	243	15.5	—
1917	..	359	193	166	11.9	—
1918	..	419	219	200	12.9	—
1919	..	376	179	197	12.1	—
1920	..	583	281	302	18.5	—
1921	..	487	265	222	15.5	—
1922	..	404	221	183	12.8	—
1923	..	401	214	187	12.8	—
1924	..	426	249	177	13.3	—
1925	..	442	223	219	13.4	—
1926	..	423	218	205	12.1	—
1927	..	432	223	209	11.9	—
1928	..	462	223	239	12.2	—
1929	..	494	242	252	11.9	—
1930	..	534	278	256	12.6	—
1931	..	553	299	254	12.5	—
1932	..	513	256	257	11.0	—
1933	..	514	255	259	10.6	—
1934	..	615	292	323	11.9	—
1935	..	621	296	325	11.5	—
1936	..	687	340	347	12.4	—
1937	..	729	378	351	12.4	—
1938	..	712	347	365	10.8	—
1939	..	763	400	363	12.4	—
1940	..	657	362	295	9.6	—
1941	..	590	305	285	10.1	—
1942	..	724	346	378	13.3	—
1943	..	775	417	358	14.3	—
1944	..	924	491	433	17.1	—
1945	..	811	427	384	13.8	—
1946	..	1059	536	523	16.3	—
1947	..	1003	527	476	15.0	—
1948	..	861	453	408	12.8	—
1949	..	818	444	374	12.0	—
1950	..	714	350	364	10.4	12.4

The birth rate for England and Wales for 1950 was 16.2 per 1,000.

CHART SHOWING WORTHING UNADJUSTED BIRTH RATE SINCE 1925.



(Dotted line represents Rate for England and Wales)

DEATHS.

The total number of deaths assigned to Worthing after allowing for inward and outward transfers was 1336, 508 males and 828 females, giving a crude death rate of 19.5 per 1,000 population.

The corrected death rate after adjustment is 10.9.

			Crude Death Rate	Adjusted Death Rate
1939	..	..	16.9	11.0
1940	..	..	17.6	11.1
1941	..	..	18.7	(no comparability factor issued).
1942	..	..	20.5	”
1943	..	..	20.4	”
1944	..	..	19.2	”
1945	..	..	20.0	”
1946	..	..	18.8	”
1947	..	..	18.7	”
1948	..	..	16.3	”
1949	..	..	17.8	10.0
1950	..	..	19.5	10.9

The death rate for England and Wales was 11.6

TABLE IV
CAUSES OF DEATH—1950.

All Causes	Males 508	Females 828
Tuberculosis, Respiratory	14	8
Tuberculosis, other	3	—
Syphilitic Disease	7	2
Diphtheria	—	—
Whooping Cough	—	—
Meningococcal infections	—	—
Acute Poliomyelitis	—	1
Measles	—	—
Other infective and parasitic diseases	2	—
Malignant neoplasm, stomach	12	22
Malignant neoplasm, Lung, Bronchus	15	6
Malignant neoplasm, Breast	—	31
Malignant neoplasm, Uterus	—	9
Other malignant and lymphatic neoplasms	60	82
Leukaemia aleukaemia	3	1
Diabetes	—	8
Vascular lesions of Nervous System	57	131
Coronary disease, Angina	81	106
Hypertension with heart disease	8	31
Other heart disease	107	192
Other circulatory disease	14	18
Influenza	5	12
Pneumonia	15	23
Bronchitis	22	15
Other diseases of respiratory system	6	6
Ulcer of stomach and duodenum	8	6
Gastritis, enteritis and diarrhoea	—	3
Nephritis and nephrosis	5	14
Hyperplasia of prostate	12	—
Pregnancy, childbirth, abortion.. .. .	—	1
Congenital malformations	4	5
Other defined and ill-defined diseases	35	72
Motor vehicle accidents	1	1
All other accidents	5	16
Suicide	7	6
Homicide and operations of war	—	—

The principal causes of death during the year were:—

Heart diseases	525
Cancer	237
Intra-cranial vascular lesions	188
Bronchitis	37

DEATHS, AGE GROUPS—1950.

Age	Deaths 1336
Under 1 year	22
1 to 4 years	4
5 to 24 „	8
25 to 49 „	67
50 to 59 „	64
60 to 69 „	245
70 to 79 „	478
80 to 89 „	381
90 years and over	67

This analysis shows that 69.3 per cent of the deaths were of persons aged 70 years of age and upwards.

The number of deaths occurring in the four quarters of the year was as follows:—

		Deaths	Adjusted Death rate per 1,000 Population	Rate for England & Wales
First Quarter	.. ..	376	12.3	14.0
Second Quarter	.. ..	362	11.9	11.0
Third Quarter	.. ..	238	7.8	9.3
Fourth Quarter	.. ..	360	11.8	12.3
		1336	10.9	11.6

TABLE V.
 BIRTH RATES, DEATH RATES,
 AND INFANTILE MORTALITY RATES, 1930—1950.

Years	No. of births	Unadjusted Birth rate per 1,000 of the population	No. of deaths	Unadjusted Death rate per 1,000 of the population	Infantile Mortality rate per 1,000 births
1930	534	12.6	640	15.1	36
1931	553	12.5	690	15.5	37
1932	513	11.0	781	16.8	39
1933	514	10.6	715	14.7	38
1934	615	11.9	756	14.6	20
1935	621	11.5	744	14.0	40
1936	687	12.4	870	15.6	35
1937	729	12.4	916	15.6	45
1938	712	10.8	917	15.5	29
1939	763	12.4	1035	16.9	23
1940	657	9.6	1165	17.6	49
1941	590	10.1	1044	18.7	36
1942	724	13.3	1116	20.5	35
1943	775	14.3	1073	20.4	32
1944	924	17.1	1037	19.2	44
1945	811	13.8	1173	20.0	39
1946	1059	16.3	1223	18.8	48
1947	1003	15.0	1251	18.7	32
1948	861	12.8	1103	16.3	24
1949	818	12.0	1209	17.8	20
1950	714	10.4	1336	19.5	31

It will be noted from this table that the number of deaths has always exceeded the number of births during the last 21 years. Although the actual population of the Borough has continued to increase, there has been no “natural increase of the population” (*i.e.* excess of births over deaths) since the year 1921.

TABLE VI.
INFANTILE MORTALITY.

The number of deaths under one year of age was 22 (11 males and 11 females), giving an infant mortality rate of 31 per 1 000 live births. The corresponding rate for England and Wales for the year under review was 30.

Year			No. of Infant Deaths	Proportion per 1,000 live births	Percentage of Total Deaths at all ages	Infant Mortality Rate in England and Wales
1925	..	..	21	48	4.6	75
1926	..	..	17	40	3.2	70
1927	..	..	20	46	3.5	69
1928	..	..	17	37	3.1	65
1929	..	..	12	24	1.7	74
1930	..	..	18	36	2.8	60
1931	..	..	20	37	2.9	66
1932	..	..	20	39	2.5	65
1933	..	..	18	38	2.5	64
1934	..	..	12	20	1.6	59
1935	..	..	25	40	3.4	57
1936	..	..	23	35	2.6	59
1937	..	..	33	45	3.6	58
1938	..	..	20	29	2.2	53
1939	..	..	18	23	1.7	50
1940	..	..	32	49	2.7	55
1941	..	..	22	36	2.1	59
1942	..	..	25	35	2.2	49
1943	..	..	24	32	2.2	49
1944	..	..	40	44	3.8	46
1945	..	..	31	39	2.5	46
1946	..	..	50	48	4.2	43
1947	..	..	31	32	2.4	41
1948	..	..	20	24	1.8	34
1949	..	..	16	20	1.3	32
1950	..	..	22	31	1.6	30

The causes of deaths of children under one year for the last 5 years are as follows:—

Cause of Infant Deaths					Deaths of infants under one year of age.				
					1946	1947	1948	1949	1950
Premature Births	..	..	..	..	17	8	7	4	8
Congenital Malformations	..	..	..	..	15	10	7	1	3
Pneumonia	..	..	..	..	7	4	5	1	3
Atelectasis	..	..	..	..	—	—	—	2	2
Asphyxia	..	..	..	..	—	—	—	3	—
Spina Bifida	..	..	..	..	—	—	—	—	—
Bronchitis	..	..	..	..	—	—	—	—	1
Gastro Enteritis	..	..	..	..	5	1	—	2	1
Tuberculosis	..	..	..	..	—	—	—	—	1
All other causes	..	..	..	..	6	8	1	3	3
TOTALS	..	..	..	..	50	31	20	16	22

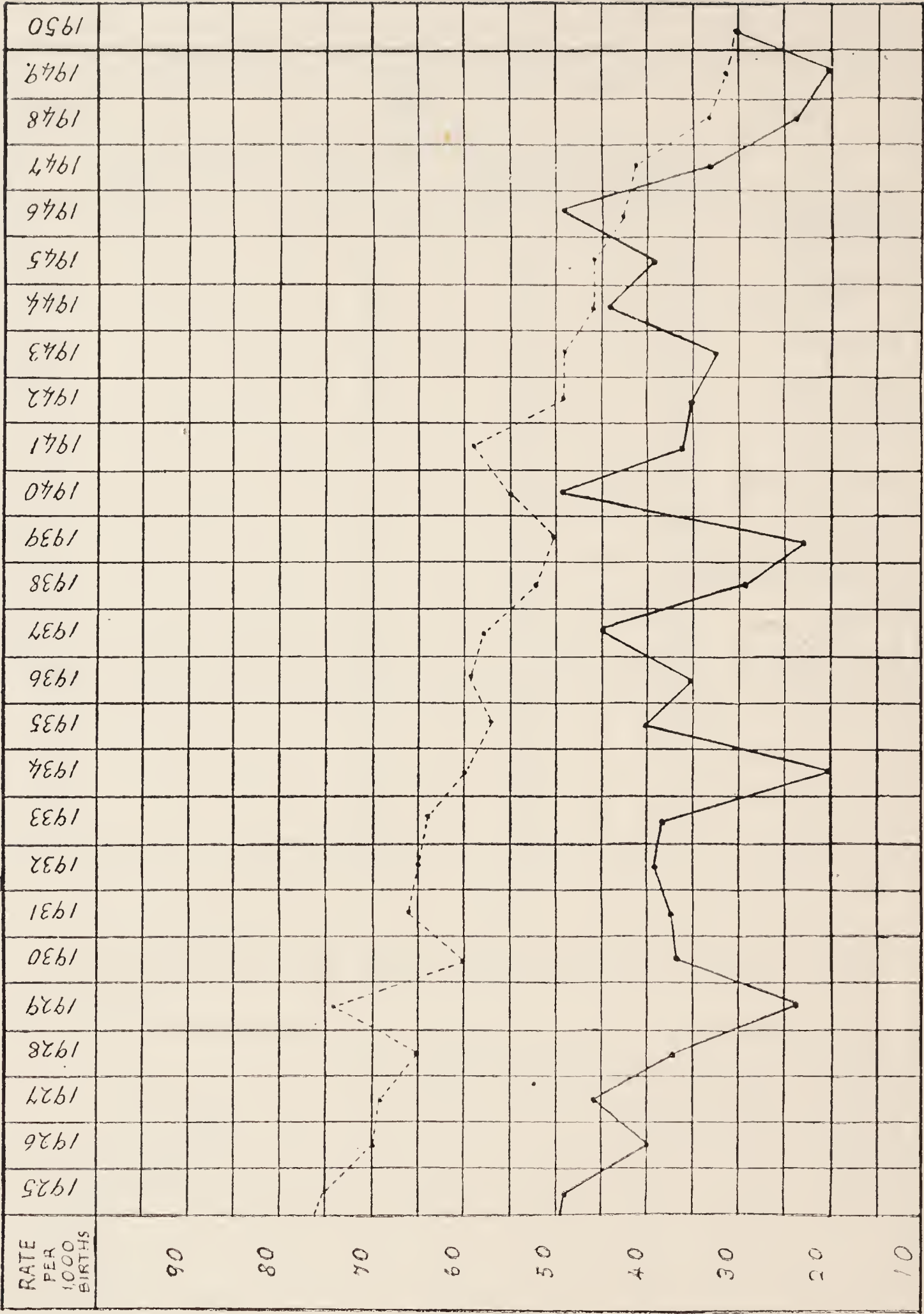
TABLE VII.

INFANTILE DEATHS 1950.

TABLE SHOWING CAUSES AND AGES AT DEATH.

Cause	Age in weeks				Total under 1 Month	Age in months					Total
	0-1	1-2	2-3	3-4		1-2	2-3	3-6	6-9	9-12	
Prematurity	8	—	—	—	8	—	—	—	—	—	—
Congenital Malformations ..	2	—	—	1	3	—	—	—	—	—	—
Pneumonia	2	1	—	—	3	—	—	—	—	—	—
Atelectasis	2	—	—	—	2	—	—	—	—	—	—
Bronchitis	—	—	—	—	—	—	—	1	—	—	1
Gastro-enteritis ..	—	—	—	—	—	—	—	—	—	1	1
Anaemia	1	—	—	—	1	—	—	—	—	—	—
General Peritonitis	1	—	—	—	1	—	—	—	—	—	—
Debility	—	—	—	—	—	1	—	—	—	—	1
Tuberculosis ..	—	—	—	—	—	—	—	—	1	—	1

CHART SHOWING WORTHING INFANTILE MORTALITY RATE SINCE 1925.



(Dotted line represents Rate for England and Wales)

WATER SUPPLIES.

The water supply undertaking is owned and managed by the Borough Council.

The following information regarding the water supply has been supplied by Mr. H. A. Leader, Assoc.M.Inst.C.E., Assoc.M.Inst.W.E., Borough Water Engineer.

1. The water supply of the statutory area has been very satisfactory in both quality and quantity throughout the past year.
2. Bacteriological examinations are made once a fortnight of both the raw and chlorinated water, whilst chemical examinations of the raw water are made once a month.
3. The water has no plumbo-solvent action.
4. No contamination of supplies has been reported.
5. The population supplied during the year ended December 1950 was 72,100, all supplies being direct to the houses and no standpipes being used.

In addition, water is supplied in bulk to the Rural District Council, and is re-distributed by this Authority to a population of 11,400.

THE CLINICAL RESEARCH ASSOCIATION LIMITED.

Watergate House, York Buildings,
London, W.C.2.

Laboratory Report No. 1843

Chemical Water Report.

The sample of water marked Winding Shaft, Broadwater Pumping Station, received here on 15.3.50, has been chemically examined and I have been instructed to forward the following report:—

ANALYSIS (B)	Parts per 100,000	Grains per gallon.
Total solids (dried at 180°C)	32.0	22.4
Combined chlorine (Cl)	3.0	2.1
equivalent to Sodium Chloride (NaCl) ..	5.0	3.5
Nitric nitrogen (Nitrates)	0.80	0.56
Nitrous nitrogen (Nitrites)	Nil	Nil
Ammoniacal nitrogen	Nil	Nil
Albuminoid nitrogen	Nil	Nil
Oxygen absorbed in 4 hours at 27°C. ..	0.004	0.003
Lead or Copper	Nil	Nil
Temporary hardness (equivalent to CaCO ₃) ..	20.5	14.4
Permanent hardness (,, ,,) ..	6.0	4.2
Total hardness (,, ,,) ..	26.5	18.6

The Hydrogen Ion Concentration is found to be pH 7.3

The above results show this water to be of a high degree of organic purity and quite safe for drinking.

R. S. RALPH, M.R.C.S., D.P.H.
Laboratory Director.

THE CLINICAL RESEARCH ASSOCIATION LIMITED.

Watergate House, York Buildings,
London, W.C.2.

Laboratory Report No. 6432.

Chemical Water Report.

The sample of water marked Patching P.S. received here on 12.9.50, has been chemically examined, and I have been instructed to forward the following report:—

ANALYSIS (B)		Parts per 100,000	Grains per gallon
Total solids (dried at 180°C.)	.. ..	32.0	22.4
Combined chlorine (Cl)	.. ..	2.4	1.7
equivalent to Sodium Chloride (Na Cl)	.. ..	4.0	2.8
Nitric nitrogen (Nitrates)	.. ..	0.62	0.43
Nitrous nitrogen (Nitrites)	.. ..	Nil	Nil
Ammoniacal nitrogen	.. ..	Nil	Nil
Albuminoid nitrogen	.. ..	0.0010	0.0007
Oxygen absorbed in 4 hours at 27°C.	.. ..	0.003	0.002
Lead or Copper	.. ..	Nil	Nil
Temporary hardness (equivalent to CaCO ₃)	.. ..	21.0	14.7
Permanent hardness( ,, ,, )	.. ..	3.0	2.1
Total hardness ( ,, ,, )	.. ..	24.0	16.8

The Hydrogen Ion Concentration is found to be pH 7.3.

The above results show this water to be of good quality and quite safe for drinking purposes.

R. S. RALPH, M.R.C.S., D.P.H.
Laboratory Director.

PUBLIC HEALTH LABORATORY.

ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON.

Bacteriological Water Analysis.

Lab. Ref. No. 5850. On Sample marked W/S Broadwater.

Received 28.3.50.

Plate Count. Yeastrel Agar 3 days 22°C. Aerobically—1 per ml.

Plate Count. Yeastrel Agar 2 days 37°C. Aerobically—less than 1 per ml.

Probable number of coliform bacilli, MacConkey 2 days, 37°C.—less than 1 per 100 ml.

Date of report, 31.3.50.

J. E. JAMESON,
Director.

PUBLIC HEALTH LABORATORY.

ROYAL SUSSEX COUNTY HOSPITAL, BRIGHTON.

Bacteriological Water Analysis.

Report No. 13350. Headings and Bore hole. Sample taken from pump at Patching P.S.

Received 12.9.50.

Plate Count Yeastrel Agar 3 days 22°C. Aerobically—1 per ml.

Plate Count Yeastrel Agar 2 days 37°C. Aerobically—2 per ml.

Probable number of coliform bacilli, MacConkey 2 days 37°C.—0 per 100 ml.

Date of Report 15.9.50.

J. E. JAMESON,
Director.

SWIMMING BATHS.

These were regularly inspected by the Medical Officer of Health and the Sanitary Inspectors. Frequent examinations of the water were carried out and the results showed that a satisfactory standard of purity was maintained.

SANITARY INSPECTION OF THE AREA.

This is under the supervision of the Chief Sanitary Inspector, who has supplied me with the following report:—

GENERAL INSPECTIONS

General inspections included the following:—

Houses	..	..	..	..	..	..	602
Factories	..	..	..	..	..	..	417
Bakehouses	..	..	..	..	..	..	106
Restaurant Kitchens	..	..	..	..	..	..	194
Workplaces	..	..	..	..	..	..	127
Dairies	..	..	..	..	..	..	55
Ice Cream Premises	..	..	..	..	..	..	387
Food Shops	..	..	..	..	..	..	2,033
Schools	..	..	..	..	..	..	35
Drainage	..	..	..	..	..	..	666
Shops' Act	..	..	..	..	..	..	29
Revisits and miscellaneous	..	..	..	..	..	..	3,369

476 public health nuisances or contraventions were recorded and 386 were remedied before the end of the year.

SANITARY DEFECTS AND NUISANCES RECORDED INCLUDED THE FOLLOWING:—

Houses:

Roofs defective	..	..	..	..	..	41
Rainwater conductors defective	..	..	..	..	..	38
Chimney stacks and external walls defective	..	..	..	..	..	23
Verminous	..	..	..	..	..	16
Re-decorating required	..	..	..	..	..	23
Wall plaster defective	..	..	..	..	..	43
Wall dampness	..	..	..	..	..	52
Sinks, foul or worn	..	..	..	..	..	3
Cooking ranges, fireplaces defective	..	..	..	..	..	23
Window frames or cords defective	..	..	..	..	..	46
Floors, staircases defective	..	..	..	..	..	20

Drainage:

Requiring reconstruction	..	..	..	..	..	5
Defective condition	..	..	..	..	..	34
Choked	..	..	..	..	..	77
W.C.'s defective	..	..	..	..	..	49
Insanitary yards	..	..	..	..	..	37
Offensive accumulations	..	..	..	..	..	14
Vacant land insanitary	..	..	..	..	..	22
Animals improperly kept	..	..	..	..	..	17
Dilapidated refuse bins	..	..	..	..	..	111
Smoke nuisances	..	..	..	..	..	1

COMPLAINTS.

1,149 complaints were investigated and appropriate action was taken.

They are classified as follows:—

General housing defects	..	..	..	..	116
Dampness ..	..	..	..	..	55
Overcrowding	..	..	..	..	20
Vermin, insects	..	..	..	..	73
Drainage defects	..	..	..	..	144
Insanitary land, yards	..	..	..	..	64
Animals improperly kept	..	..	..	..	17
Offensive smells	..	..	..	..	35
Smoke nuisances	..	..	..	..	4
Refuse bins defective	..	..	..	..	18
Rats or Mice	..	..	..	..	518
Miscellaneous	..	..	..	..	85

In numerous cases it was found that the grounds for complaint were trivial or that the nature of the complaint did not constitute a nuisance within the meaning of the Public Health Act, such as, untidy vacant plots of land.

HOUSING.

Shortage of new houses continues to be very acute and repair to existing houses very expensive.

As in previous years it was not practicable to enforce the repair sections of the Housing Acts for various reasons. Where essential repairs were necessary, action was generally taken under the Public Health Act and a slightly lower standard of fitness accepted.

PUBLIC HEALTH ACT, 1936.

Section 269. Caravans.

Five licences and two licence renewals to permit the occupation of caravans as dwellings were issued. Two applications were refused.

There is no licensed camping site within the Borough.

RODENT CONTROL.

No. of complaints received	..	..	..	..	518
No. of complaints verified: rats	..	..	..	..	273
mice	..	..	..	..	107
No. of visits by Rodent Operators	..	..	..	..	2,693
No. of premises cleared	..	..	..	..	210
Estimated No. of rats destroyed (excluding gassing)	..	..	..	..	1,460

The number of rat complaints continues to be high, but no infestation was found in a large number of cases.

Few infestations of a major character were found, in fact in only four cases did the poison take exceed 8 ozs.

The keeping of poultry in back gardens has greatly increased the rat menace.

Sewer Treatment.

A maintenance treatment of the sewers was carried out and 128 sewer manholes found to be rat infested were poison baited.

FACTORIES ACTS, 1937 and 1950.

1. **INSPECTIONS** for purposes of provisions as to health (including inspections made by Sanitary Inspectors).

Premises	Number on Register	Number of Inspections	Written Notices
(i) Factories in which Sections 1, 2, 3, 4, and 6 are to be enforced by Local Authorities	57	67	2
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	235	505	20
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises).	4	4	1
TOTAL	296	576	23

2. Cases in which **DEFECTS** were found.

Particulars	Number of cases in which defects were found			
	Found	Remedied	Referred	
			To H.M. Inspector	By H.M. Inspector
Want of cleanliness (S.1.)	8	7	—	1
Overcrowding (S.2)	—	—	—	—
Unreasonable temperature (S.3)	—	—	—	—
Inadequate ventilation (S.4)	—	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	1
Sanitary Conveniences (S.7)				
(a) insufficient	—	—	—	—
(b) unsuitable or defective	18	18	—	—
(c) not separate for sexes	—	—	—	—
Other offences against the Act (not including offences relating to Outwork)	3	4	2	6
TOTAL	29	29	2	8

Fire Escape. Seven Certificates of Adequate Means of Escape in Case of Fire were granted. In several cases additional provision or alterations were first necessary to comply with requirements.

SHOPS ACT, 1950.

One Certificate of Exemption from the requirements of Section 38, which relate to the provision of suitable and sufficient sanitary accommodation, was granted pursuant with the Act.

RAG FLOCK ACTS, 1911—1928.

Five samples of rag flock used in the manufacture of bedding were taken and analysed for the presence of soluble chlorine in the form of chlorides. All conformed to the prescribed standard of cleanliness.

OFFENSIVE TRADES.

The only offensive trades in the Borough relate to two persons who are registered to deal in rags, bones and skins.

DISINFECTION AND DISINFESTATION.

666 articles fumigated by steam disinfection included the following:—

Blankets and Rugs	121
Sheets, Eiderdowns, etc.	66
Mattresses and Feather Beds	127
Pillows, bolsters, cushions	289
Miscellaneous articles	63
Number of rooms disinfected	117
Number of rooms disinfested	125
Revenue received:—	
for disinfection	£36 18s. 3d.
for disinfestation	£40 13s. 3d.

NOTICES SERVED TO REMEDY DEFECTS OR ABATE NUISANCES OR CONTRAVENTIONS.

<i>Act</i>	<i>Informal</i>	<i>Statutory</i>
Public Health Act, 1936.		
Section 92 (defects and nuisances)	89	5 *
„ 39 (drainage and appliances)	48	2 †
„ 44-45-46 (water closets)	17	
„ 50 (cesspools)	34	
(miscellaneous)	10	
Worthing Corporation Act (refuse bins)	49	4
Worthing Corporation Act (watercourses)	16	8
Housing Acts	99	8
Food and Drugs Act, 1938-1950.		
Section 13 (food preparing)	60	
Food Hygiene Byelaws	11	
Milk and Dairies Regulations	5	
Ice Cream (Heat Treatment) Regs.	16	
Prevention of Damage by Pests Act 1949	16	
Factories Act, 1937-1950	26	
Shops Act, 1950. Sec. 38.	6	

* One occupier who failed to comply with an abatement notice respecting an accumulation or deposit (dog's-meat), which was prejudicial to health or a nuisance, was prosecuted and fined £2 and an Abatement Order obtained.

An Order of the Court authorising a forcible entry into a dwelling-house was obtained in one instance.

† Drainage work was executed by the Corporation in default of one owner who failed to comply with a Notice served pursuant to Section 39 of the Public Health Act, 1936.

Sewers maintainable by the Corporation at the owner's expense serving 183 houses found to be choked or defective were cleansed or repaired by the Corporation and the cost incurred recovered in accordance with requirements of the Public Health Act, 1936.

Drainage certificates were issued after examining or testing the drainage system and sanitary fittings in respect of two premises on payment of prescribed fees.

Eighteen houses were redrained to a main sewer and cesspools abolished.

Six pail conveniences were converted to the water carriage system.

MEAT AND FOOD EXAMINATION.

Slaughtering is carried on at one Regional Slaughterhouse. Three other private slaughterhouses remained closed.

10 persons were licensed to slaughter animals under the Slaughter of Animals Act, 1933.

All animals were slaughtered with the aid of mechanically operated humane instruments.

The carcase of every animal slaughtered was examined; this entailed a vast amount of late night and Sunday work. 523 attendances were made at the slaughterhouse.

16,416 animals, *i.e.* 4,813 beasts, 2,308 calves, 8,934 sheep and 361 pigs were slaughtered and examined.

37³/₄ tons of meat were found to be diseased and unfit for food. This was salvaged for animal feeding, fat rendering or fertilizers.

Meat found to be diseased included:—

Entire Carcases:

Beasts ..	..	..	..	..	..	51
Calves	..	..	..	..	..	3
Sheep	..	..	..	..	..	17
Pigs ..	..	..	..	..	..	2

Offals:

	<i>Beasts</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>
Heads and Tongues	.. 303	1	1	10
Livers ..	.. 1,422	12	761	3

Carcases Inspected and Condemned.

	Cattle excl. Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	3,666	1,147	2,308	8,934	561
Number inspected	3,666	1,147	2,308	8,934	561
All diseases except Tuberculosis Whole carcases condemned ..	2	2	3	17	2
Carcases of which some part or organ was condemned ..	1,121	9	761	9	
Percentage of the number inspected affected with disease other than tuberculosis	23.4	0.51	8.73	3.05	
Tuberculosis only. Whole carcases condemned ..	15	32	—	—	—
Carcases of which some part or organ was condemned	331	239	4	—	4
Percentage of the number inspected affected with tuberculosis ..	9.43	24.5	0.17	—	1.10

Requests from local food tradesmen to examine foodstuffs of a doubtful character are received almost daily.

The undermentioned were found to be diseased or unsound and were condemned as being unfit for human food.

Tinned and other foods—1950.

	No. of tins etc.	lbs.
Milk	521	
Milk Powder	152	
Vegetables	702	
Jam	259	
Fruit	589	
Jellies	78	
Soup	92	
Tomatoes	52	
Tinned Fish	249	
Fish Paste	263	
Fish Cakes	65	
Meat (tinned)	271	
Meat Paste	3	
Condiments	76	
Pickles	368	
Cereals	41	
Pudding Mixtures	271	
Cake Mixtures	123	
Cake		79
Onion Powder	8	

					<i>No. of tins etc.</i>	<i>lbs.</i>
Mincemeat	..	..	..	..	5	
Wet Fish	..	..	..	..		2,383
Eggs	..	..	..	..	2,457	
Christmas Puddings		..	..	..	81	
Coffee	..	..	..	..	41	
Cocoa	..	..	..	..	1	
Sugar	..	..	..	..		336
Beverages	..	..	..	..	4	
Poultry, Game, etc.						
Poultry	..	..	..	..	26	
Guinea Fowls		..	..	..	5	
Frozen Rabbits		..	..	..		66
Sausages	..	..	..	..		190
Corned Beef		..	..	..		412
Fats.						
Cheese	..	..	..	..	28	12
Bacon	..	..	..	..	1	55
Home Killed Meat.	Beef		..	..		481
	Mutton		..	..		31
	Pork		..	..		32½
Imported Meat.	Beef		..	..		428
	Mutton		..	..		68

MILK.

244 samples were taken and the following is a synopsis of the results.

Examination for Bacterial Cleanliness.

Designation	No. taken	Below Standard		Unsatisfactory
		Methylene Blue	Phosphatase	
Tuberculin Tested ..	46	3	—	3 or 6.5%
Tuberculin Tested (Pasteurised)	13	—	—	—
Pasteurised	122	—	—	—

The cleanliness of milk sold in the Borough was exceedingly good. The only samples failing to comply with the prescribed tests were three samples of Tuberculin Tested milk produced and bottled on farms outside the Borough.

Examination for Tubercle Bacilli. 10 samples were examined for the presence of tubercle bacilli and all proved to be negative.

Examination to detect Adulteration or Abstraction. 53 samples were taken, details of which are given in the Foods and Drugs section on page 30.

Graded Milk. The following licences were granted under the appropriate Regulations:—

To retail Tuberculin Tested or Tuberculin Tested Pasteurised Milk	22
To Pasteurise	6
To retail Pasteurised Milk	20
To retail Sterilized Milk	4
Supplementary, Sterilized Milk	1

Milk Consumption. The average amount of milk consumed by the resident population was approximately 7,360 gallons daily, or 0.8 pint per head per day. The amount of Tuberculin Tested milk consumed daily was approximately 300 gallons.

97% of the milk (excluding T.T.) consumed in the Borough had been subjected to pasteurisation.

Milk in Schools. The number of $\frac{1}{8}$ -pints supplied to schools on each school day was approximately 7,600.

ICE CREAM.

13 premises are registered for the manufacture, storage and sale of ice cream and 189 for storage and sale.

63 samples were taken and analysed for bacterial cleanliness with the following results:—

Grade I	48%
Grade II	22%
*Grade III	11%
*Grade IV	19%
* Unsatisfactory.	

The general standard of cleanliness of ice cream produced in the Borough was good.

A more frequent sampling from three particular sources where conditions were below standard was mainly responsible for the unsatisfactory percentages quoted above. Two of these manufacturers ceased to make ice cream later in the year.

The requirements of the Heat Treatment Regulations are rigidly enforced.

12 samples were analysed as regards quality or fat content and these varied between 11.0% and 3.0% fat.

FOOD HYGIENE.

Special attention was again directed to the cleanliness of premises, apparatus and personnel when inspecting food premises and the progress made was very satisfactory. 82 notices were sent out calling attention to non-compliance with requirements of legislation relating to the manufacture, storage, sale or distribution of food.

Lectures and advice were given on every possible occasion to trade organisations, food handlers and local women's organisations.

The Model Food Hygiene Byelaws came into operation in the Borough in August and the co-operation of the vast majority of food traders is excellent.

FOOD AND DRUGS ACT, 1938—SECTION 3.

DEFENCE (SALE OF FOOD) REGULATIONS, 1943.

112 samples of foods or drugs were taken for analysis by the Public Analyst:—

Description.	No. Analysed.	Not Satisfactory.
Milk	53	6 (a)
Vegetarian Foods	2	
Baking Powder	4	
Sausages or meat	12	1 (b)
Fish Paste	2	
Malt Vinegar	3	
Coffee Extract	4	
Sweets	1	
Fruit Juice	1	
Ice Cream	12	
Pepper	3	
Ground Ginger	3	
Ground Almonds	1	
Flavouring Product	2	
Salad Cream, Mayonnaise	6	
Saccharine	2	
Aspirins	1	

(a) 2 samples of "Channel Island" designation were deficient in milk fat for this grade of milk.

4 other samples were sub-standard. No irregularity was suspected. The milk as produced was of poor quality.

(b) The presence of a preservative was not declared.

86 premises are registered for the preparation or manufacture of sausages or potted, pressed, pickled or preserved foods for sale.

FOOD POISONING.

The following information is included in accordance with the instructions of the Ministry of Health.

(a)	Total number of outbreaks ..	..	1
(b)	Number of cases ..	..	17
(c)	Number of deaths ..	..	Nil
(d)	Organisms or other agents responsible ..	..	Not identified, but clinical features suggested a possible Salmonella infection.
(e)	Food involved ..	..	Not identified.

All the cases occurred at a private hotel and the main symptoms were vomiting, abdominal pain and diarrhoea. The cases were of a mild type—they were seen immediately on receiving a telephone message from the visiting practitioner and, although this was within 24 hours of the onset, the majority were then recovering. The duration of illness was very short, 1—3 days. No food remains were obtainable for examination. Numerous susceptible or tinned foods were partaken during the day before the outbreak, but the mild character and short duration of the illness together with the negative bacteriological findings in the patients investigated and the absence of food remains made it impossible to identify the cause of the outbreak. It was therefore considered to be food poisoning—cause not discovered.

CLEAN FOOD CAMPAIGNS.

Lectures, discussions and film displays have been given by the Medical Officer and the Chief Sanitary Inspector to a number of local organisations. Food traders' organisations have been approached and lectures given to food handlers.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

Notifiable Infectious Diseases.

The following are the infectious diseases which are now notifiable to the Medical Officer of Health:—

Scarlet fever

Whooping cough

Diphtheria

Measles

Acute pneumonia (primary or influenzal)

Meningococcal infection

Acute poliomyelitis—

• paralytic

non-paralytic

Acute encephalitis—

infective

post-infectious

Dysentery

Ophthalmia neonatorum

Puerperal pyrexia

Smallpox

Typhoid and Para-typhoid fevers

Food poisoning

Erysipelas

Malaria

Cholera

Plague

Typhus fever

Relapsing fever

Tuberculosis (all forms).

NOTIFICATIONS.

The following table shows the infectious disease notifications received during the year together with any corrections that may have been made subsequently either by the patient's doctor or the Medical Superintendent of the Infectious Disease Hospital:—

	Scarlet Fever		Whooping Cough		Ac. Poliomyelitis		Measles		Diphtheria	
	M	F	M	F	M	F	M	F	M	F
Numbers originally notified	37	39	76	76	5	7	57	55	—	1
Final numbers after correction:										
Under 1 year	—	—	2	3	—	—	2	1	—	—
1-2 years	7	1	19	15	—	1	10	8	—	—
3-4 „	7	9	24	22	—	—	12	22	—	—
5-9 „	18	23	27	35	2	2	31	22	—	—
10-14 „	2	3	2	—	2	1	1	1	—	—
15-24 „	—	3	—	—	1	—	—	—	—	—
25 and over	2	—	2	1	—	2	1	1	—	—
TOTAL	36	39	76	76	5	6	57	55	—	—
Cases removed to Hospital	23	31	1	2	5	6	—	2	—	1

	Ac. Pneumonia		Typhoid Fever		Erysipelas		Food Poisoning		Menin-gococcal Infection	
	M	F	M	F	M	F	M	F	M	F
Numbers originally notified	16	16	—	1	3	5	7	10	—	1
Final numbers after correction:										
Under 5 years	—	3	—	—	—	—	—	—	—	—
5-14 years	4	1	—	—	—	1	—	—	—	1
15-44 „	6	3	—	—	—	—	—	—	—	—
45-64 „	4	4	—	1	3	1	—	—	—	—
65 and over	2	5	—	—	—	3	—	—	—	—
Age unknown	—	—	—	—	—	—	7	10	—	—
TOTAL	16	16	—	1	3	5	7	10	—	1
Cases removed to Hospital	—	—	—	1	1	1	—	—	—	1

Puerperal Pyrexia: Originally notified 7. Final number after correction 7.

ACUTE POLIOMYELITIS (Infantile Paralysis)

There were eleven confirmed cases during the year with one death (a woman aged 27). Of the remainder three were non-paralytic in type, and seven were paralytic cases of which three made a complete recovery and four were left with varying degrees of paralysis for which treatment is still necessary.

DIPHTHERIA.

One suspected case was notified during the year and removed to Hospital but the diagnosis was not confirmed. The incidence of this disease is shown below :—

Year	No. of cases	Deaths
1921	25	1
1922	29	—
1923	16	1
1924	7	—
1925	9	1
1926	22	2
1927	83	4
1928	54	2
1929	20	1
1930	12	3
1931	31	2
1932	36	4
1933	33	1
1934	31	—
1935	16	—
1936	20	—
1937	18	—
1938	23	1
1939	24	1
1940	3	—
1941	5	1
1942	—	—
1943	7	1
1944	3	2
1945	—	—
1946	3	1
1947	1	—
1948	—	—
1949	—	—
1950	—	—

These figures reveal the success of the Diphtheria Immunisation scheme, which was commenced in Worthing in the autumn of 1939.

DIPHTHERIA IMMUNISATION AND VACCINATION AGAINST SMALL-POX.

The arrangements for both these forms of prophylaxis are given in my report as Medical Officer to the Worthing County Health Sub-Committee.

SCARLET FEVER.

The number of confirmed cases was 75. There were no deaths from this disease. The incidence of this disease since 1920 is shown below:—

Year	No. of cases	Deaths
1920	79	—
1921	134	—
1922	50	—
1923	17	—
1924	38	—
1925	86	1
1926	73	1
1927	51	—
1928	28	—
1929	88	—
1930	52	—
1931	47	—
1932	214	3
1933	233	1
1934	322	—
1935	168	—
1936	130	—
1937	75	1
1938	55	1
1939	41	1
1940	42	—
1941	26	—
1942	26	1
1943	76	—
1944	274	—
1945	108	—
1946	35	—
1947	21	—
1948	43	—
1949	37	—
1950	75	—

ADMISSION OF CASES TO INFECTIOUS DISEASE HOSPITALS.

The following Worthing cases were admitted during the year:—

Swandean Infectious Disease Hospital.

Scarlet fever	..	..	..	55
Measles	..	..	..	2
Meningococcal infection		..	..	1
Influenza	..	..	..	2
Whooping cough	..	..	..	3
Erysipelas	..	..	..	2
Acute poliomyelitis	..	..	..	11
Typhoid fever	..	..	..	1
Typhoid fever carrier		..	..	1
Impetigo	..	..	..	1
Cellulitis	..	..	..	1
Erythema multiforme		..	..	1
Observation cases	..	..	..	3
				<hr/>
				84
				<hr/>

Bevendean Infectious Disease Hospital, Brighton.

Scarlet fever	2
---------------	----	----	----	---

TUBERCULOSIS.

72 new cases were added to the Register during 1950:—

Pulmonary—Males ..	34	Non-pulmonary—Males ..	4
Females ..	29	Females ..	5
	<hr/> 63		<hr/> 9
	<hr/>		<hr/>

69 cases were removed from the Register during the year, and 6 old cases were restored.

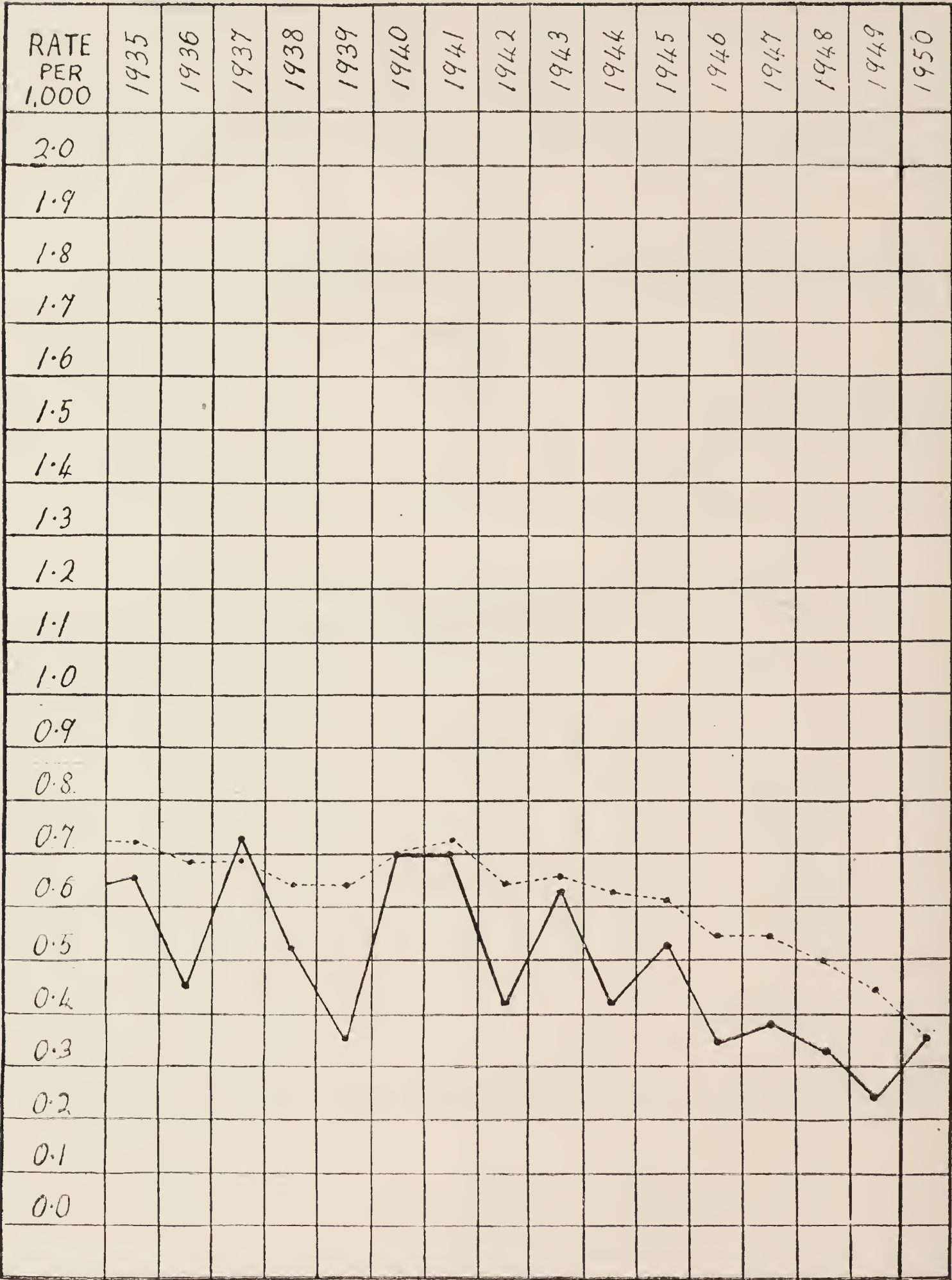
Tuberculosis Cases on the Register at 31st December, 1950:—

	Males	Females	Total
Pulmonary	197	199	396
Non-pulmonary ..	43	62	105
Totals ..	240	261	501

Table showing new cases in 1950 and mortality.

Age periods	New cases				Deaths			
	Pulmonary		Non-pulmonary		Pulmonary		Non-pulmonary	
	M	F	M	F	M	F	M	F
Under 1 year	—	—	1	—	—	—	—	—
1—4 years	—	1	—	—	—	—	—	—
5—14 „	1	—	—	1	—	—	—	—
15—24 „	2	12	1	2	—	1	—	—
25—34 „	11	4	—	—	3	2	—	—
35—44 „	3	4	2	1	3	1	—	—
45—54 „	3	4	—	—	3	—	—	—
55—64 „	7	4	—	—	3	3	—	—
65 years and over ..	7	—	—	1	2	1	3	—
TOTALS	34	29	4	5	14	8	3	—

CHART SHOWING WORTHING TUBERCULOSIS DEATH RATE SINCE 1935.



(Dotted line represents Rate for England and Wales).

The following table shows the mortality from tuberculosis (all forms) since 1935:—

Year	Deaths	Death Rate per 1,000 of the population	
		Worthing	England and Wales
1935	36	0.67	0.72
1936	25	0.45	0.69
1937	42	0.72	0.70
1938	31	0.52	0.64
1939	26	0.34	0.64
1940	48	0.70	0.70
1941	39	0.70	0.73
1942	23	0.42	0.66
1943	33	0.63	0.67
1944	23	0.42	0.63
1945	32	0.54	0.62
1946	22	0.34	0.55
1947	26	0.38	0.55
1948	23	0.34	0.51
1949	18	0.26	0.45
1950	25	0.37	0.36

It has not been necessary to take action under the Public Health (Prevention of Tuberculosis) Regulations, 1925, or under Section 172 of the Public Health Act, 1936.

CANCER.

The total number of deaths in 1950 was 237. The mortality from this cause during the last 20 years is shown as follows:—

Year	Deaths		Total	Death rate per 1,000 of the population
	Males	Females		
1931 ..	41	60	101	2.28
1932 ..	38	63	101	2.17
1933 ..	42	62	104	2.14
1934 ..	60	73	133	2.58
1935 ..	53	72	125	2.32
1936 ..	54	99	153	2.75
1937 ..	51	87	138	2.35
1938 ..	64	87	151	2.56
1939 ..	57	106	163	2.66
1940 ..	82	104	186	2.73
1941 ..	69	92	161	2.88
1942 ..	76	113	189	3.47
1943 ..	79	90	169	3.22
1944 ..	68	109	177	3.27
1945 ..	80	124	204	3.48
1946 ..	76	120	196	3.02
1947 ..	84	116	200	3.00
1948 ..	80	103	183	2.71
1949 ..	95	118	213	3.10
1950 ..	87	150	237	3.47

THE NATIONAL ASSISTANCE ACT, 1948.

Section 47. Removal to suitable premises of persons in need of care and attention.

No legal proceedings were necessary during the year. In the few cases where difficulties occurred, informal action was sufficient to cope with the situation.

Section 50. Burial of the Dead.

Under this Section of the Act it was necessary to arrange for the burial of six persons where no suitable arrangements were being made.

CLEANSING OF PERSONS.

Total attendances at Clinic	..	..	18
No. of heads cleansed	..	..	7
No. of individual cases of Scabies treated during the year	..	..	5

STAFF MEDICAL EXAMINATIONS.

Medical examinations are undertaken by the Department in connection with new appointments. During the year 77 such examinations were carried out, details of which are as follows:—

<i>Department</i>	<i>Males</i>	<i>Females</i>
Town Clerk's	3	—
Borough Engineer's	22	—
Medical Officer's	2	—
Borough Treasurer's	3	2
Borough Water Engineer's	3	1
Education	14	20
Entertainments and Publicity	3	2
Borough Librarian's	1	1
Total ..	51	26

Occasionally similar examinations are carried out at the request of other Local Authorities and during 1950 five such examinations were undertaken.

ANNUAL REPORT
of the
Meteorological Observations
for 1950.

METEOROLOGICAL OBSERVATIONS.

FOR THE YEAR 1950.

The Meteorological Station is in Beach House Park, which is 25.00 feet above Ordnance Datum. Here all the instruments, except the Fortin Standard Barometer and the Sunshine Recorder, are kept.

The shade thermometers, in a Stevenson screen, are:—self-recording maximum, self-recording minimum, dry bulb and wet bulb.

All thermometers are Fahrenheit and are verified at the National Physical Laboratory, Kew.

A self-recording minimum thermometer is used for registering the temperature on the grass.

Four earth[°] thermometers are in use at various depths—1ft., 2ft., 4ft. and 6ft.

There is an official five-inch copper Rain Gauge Meteorological Office pattern, also a Dines Tilting Siphon Automatic Rain Recorder.

The Campbell-Stokes Sunshine Recorder is fixed on a platform at the top of Christ Church Tower, 111 feet above mean sea level and 84 feet above ground level.

All instruments at the local Meteorological Observatory are examined and tested annually by Officers of the Meteorological Office, Air Ministry, London.

A code report is sent by telegram each evening to the Meteorological Office, London, and the leading Newspapers are supplied with reports from that Office.

Weekly reports are sent to the local newspapers, and a full report monthly to the Meteorological Office, London, for publication in their journals. Rainfall statistics are supplied to the British Rainfall Organization.

This report contains statistics showing the means for the year of Barometric pressure, Air and Earth temperatures, Sunshine, Wind and Humidity, compared with the averages for a series of years.

The 35 years average period (1881-1915), used by the Meteorological Office, is known as the Normal.

Observations are taken every day throughout the year at 9 a.m. and 6 p.m.

ABSTRACT OF OBSERVATIONS FOR THE YEAR, 1950.

Total amount of bright sunshine: 1805.4 hours.

Number of days with sunshine: 312

Rainfall: 26.95 inches.

Number of Rain-days (.01 inch or more) : 157

Number of wet days (0.04 inch, or more): 114

Highest barometric reading: 30.598 inches on January 12th.

Lowest reading: 28.957 inches on November 21st.

Highest recorded temperature in screen: 81° on June 5th.

Lowest recorded temperature in screen: 24° on December 16th and 17th.

Mean temperature: 51.4°

Mean relative humidity: at 9 a.m. 81.9%

Lowest temperature on the grass: 16° on December 16th.

Wettest day: November 20th, .89 inches.

Sunniest day: June 16th, 15.1 hours.

Number of days snow or sleet fell: 9

Number of days hail fell: 3

Number of thunderstorms: 8

Number of ground frosts: 64

Number of gales: 6

Number of days with fog (9 a.m.) 5.

BRIGHT SUNSHINE.

The duration of bright sunshine for the year was 1805.4 hours.

This amount is 40.4 per cent of the time during which the sun was above the horizon, giving a daily mean of 4.94 hours. The average yearly sunshine for the previous ten years was 1862.8 hours. During this period the year with the highest record was 1949, when 2128.9 hours were recorded, whilst the year 1942 was the lowest with 1711.6 hours. The sunniest day was June 16th when 15.1 hours were recorded.

June, with 259.1 hours, was the sunniest month, and December with 55.1 hours, was the least sunny.

A sunless day is one on which less than 6 minutes of bright sunshine are recorded.

RAINFALL.

The rainfall for the year 1950 was 26.95 inches. This amount is 0.48 inches below the Normal, but 1.57 inches above the previous ten years average.

The months of the year in which rainfall exceeded the Normal were February, April, July, August, September and November. The month of June was the driest with 0.58 inch, falling below the Normal amount by 1.15 inches. November was the wettest month, with 5.74 inches, this amount being 2.56 inches above the Normal. The heaviest day's rainfall was 0.89 inch on November 20th. There were 157 days on which 0.01 inch or more rain fell, compared with 142 days which is the average number for the previous ten years.

One inch of rainfall is equivalent to 100.925 tons per acre or 14.4686 millions of gallons per square mile.

Winter Rainfall. Total for six months (January to March and October to December) was 15.08 inches, compared with an average winter rainfall for the previous 10 years of 15.07 inches.

Summer Rainfall. Total for six months (April 1st to September 30th) was 11.87 inches, compared with an average summer rainfall for the previous ten years of 10.30 inches.

HUMIDITY.

The mean relative humidity of the atmosphere (percentage of saturation of the air) at 9 a.m. was 81.9% compared with the previous five years average of 81.5%

BAROMETER.

The mean barometric reading for the year was 29.905 inches (when reduced to sea level and to a temperature of 32° Fahr.) the average for the previous ten years being 29.984 inches. The highest reading for the year was 30.598 inches on January 12th, and the lowest reading was 28.957 inches on November 21st. The absolute range for the year was 1.641 inches and the average range for the previous ten years 1.615 inches.

One inch barometric pressure is equivalent to 70.727 lbs. per square foot.

TEMPERATURE.

The mean temperature for the year was 51.4° Fahr., which is 1.4° above the Normal. Since 1881 the warmest year was 1949 with a mean temperature of 52.8°. The highest shade temperature for 1950 was 81° recorded on June 5th and the lowest 24° on December 16th and 17th. The extreme range of temperature was 57° compared with the average range of 60.8° for the previous ten years. The temperature on the grass fell below 30.4° on 64 nights. The lowest temperature on the grass was 16° during the night of December 16th.

Earth Temperatures. The highest and lowest temperatures at various depths in the earth were as follows:—

<i>Below</i>				
<i>Surface</i>	<i>Highest</i>	<i>Date</i>	<i>Lowest</i>	<i>Date</i>
1 ft.	66.8°	Aug. 7th	35.0°	January 28th, 29th, 30th and December, 30th and 31st.
4 ft.	63°	Aug. 12th, 14th, 16th, 17th, 18th.	42.8°	December 31st.

WIND.

Percentages of direction of wind from 730 observations taken at 9 a.m. and 6 p.m. throughout the year:—

	9 a.m.	6 p.m.		9 a.m.	6 p.m.
	%	%		%	%
N.	9.6	5.7	S.	8.8	5.5
N.E.	12.9	13.2	S.W.	23.8	32.1
E.	3.0	0.3	W.	18.0	13.7
S.E.	7.4	10.9	N.W.	16.5	18.6
Calm	—	—			

TABLE 1—CLOUD AND HUMIDITY.

Month.			Cloud Amount		Mean Relative Humidity	Mean Humidity previous 5 years 1945–1949
			Scale 1–8			
			9 a.m. to 6 p.m.		9 a.m.	9 a.m.
					%	%
January	..	..	6	6	90	87
February	..	..	4	5	88	86
March	..	..	5	4	80	82
April	..	..	4	4	74	78
May	..	..	4	4	77	78
June	..	..	4	4	76	77
July	..	..	5	4	78	75
August	..	..	5	4	79	78
September	..	..	5	5	84	81
October	..	..	5	5	82	82
November	..	..	5	6	87	87
December	..	..	5	5	87	87
Year 1950			5	5	82	Yearly average 82

TABLE 2—BRIGHT SUNSHINE (British Isles).

(Extract from Table of Official Returns of the Meteorological Office,
Air Ministry).

<i>Station</i>					<i>Hours Year 1950.</i>
Sandown .. .. .	..	..	..	..	1871.3
Jersey .. .. .	..	..	..	..	1870.4
Eastbourne .. .. .	..	..	..	..	1841.6
Weymouth .. .. .	..	..	..	..	1820.6
WORTHING .. .. .	..	..	..	..	1805.4
Ryde .. .. .	..	..	..	..	1798.4
Whitstable .. .. .	..	..	..	..	1797.3
Calshot .. .. .	..	..	..	..	1796.2
Margate .. .. .	..	..	..	..	1795.2
Ventnor .. .. .	..	..	..	..	1787.6
Guernsey .. .. .	..	..	..	..	1778.5
Polegate .. .. .	..	..	..	..	1772.9
Hastings .. .. .	..	..	..	..	1772.6
Freshwater .. .. .	..	..	..	..	1763.9
Dover .. .. .	..	..	..	..	1762.8
Manston .. .. .	..	..	..	..	1756.9
Seaford .. .. .	..	..	..	..	1755.5
Portsmouth .. .. .	..	..	..	..	1752.2
Tangmere .. .. .	..	..	..	..	1749.7
Bexhill .. .. .	..	..	..	..	1739.9
Littlehampton .. .. .	..	..	..	..	1737.4
Folkestone .. .. .	..	..	..	..	1734.5
Lympne .. .. .	..	..	..	..	1725.2
Rye .. .. .	..	..	..	..	1724.3
Southampton .. .. .	..	..	..	..	1723.7
Ramsgate .. .. .	..	..	..	..	1720.6
Bognor Regis .. .. .	..	..	..	..	1716.6
Southend-on-Sea .. .. .	..	..	..	..	1704.7
Throwley .. .. .	..	..	..	..	1704.0
Brighton .. .. .	..	..	..	..	1702.4
Teignmouth .. .. .	..	..	..	..	1702.0
Dawlish .. .. .	..	..	..	..	1697.4
Lowestoft .. .. .	..	..	..	..	1694.2
Clacton-on-Sea .. .. .	..	..	..	..	1692.1
Shoeburyness .. .. .	..	..	..	..	1691.0
Burlingham .. .. .	..	..	..	..	1690.8
Exmouth .. .. .	..	..	..	..	1690.6
Paignton .. .. .	..	..	..	..	1689.3
Swanage .. .. .	..	..	..	..	1688.4
St. Ann's Head .. .. .	..	..	..	..	1685.7
Hérne Bay .. .. .	..	..	..	..	1680.7
Poole .. .. .	..	..	..	..	1679.9
Scilly .. .. .	..	..	..	..	1672.7

TABLE 3.—BRIGHT SUNSHINE.

30 years averages of bright sunshine for Great Britain extracted from Air Ministry official publications.

1901—1930.			
<i>Town</i>			<i>Hours of Sunshine</i>
WORTHING	..	..	1834
Bognor Regis	..	..	1827
EASTBOURNE	..	..	1826
Sandown ..	..	..	1814
HASTINGS	..	..	1801
Southsea	..	..	1801
Littlehampton		..	1800

1906—1935.			
<i>Town</i>			<i>Hours of Sunshine</i>
WORTHING	..	..	1834
EASTBOURNE	..	..	1833
BOGNOR REGIS	..	..	1822
SANDOWN	..	..	1814
HASTINGS	..	..	1797
VENTNOR	..	..	1792
Littlehampton	..	..	1791

NOTE:—Capitals indicate *complete* averages for 30 years.

TABLE 4.—BRIGHT SUNSHINE.

Month	Total Hours Bright Sunshine	Average for 30 years 1906-1935	Hours Daily Mean	Percentage of average %	Days with Sunshine	Most in one day Hours	Monthly Totals		
							Highest		Lowest
							Hours	Year	Hours
January ..	66.4	66	2.1	100	23	7.2	109.9	1940	34.5
February ..	87.7	89	3.1	99	21	9.4	140.3	1949	29.8
March ..	155.4	144	5.0	108	27	11.0	220.8	1907	95.3
April ..	193.7	181	6.5	107	29	12.4	267.2	1912	105.3
May ..	223.0	231	7.2	97	29	14.5	353.1	1909	148.9
June ..	259.1	236	8.6	110	29	15.1	318.8	1925	143.5
July ..	227.9	233	7.4	98	31	15.0	369.0	1911	133.8
August ..	209.2	216	6.8	97	30	13.9	298.4	1899	112.6
September ..	129.8	180	4.3	72	26	10.5	262.6	1898	97.1
October ..	121.3	123	3.1	98	26	9.8	181.6	1919	81.9
November ..	76.8	80	2.6	96	23	8.0	131.3	1909	44.4
December ..	55.1	55	1.8	100	18	6.6	96.0	1946	31.1
Year 1950 ..	1805.4	1834	4.94	98	312	15.1	369.0	July 1911	31.1
							2141.0	1899	1600.2
									1913

TABLE 5.—BRIGHT SUNSHINE.

Year	Campbell-Stokes Recorder Bright Sunshine Hours	Bright Sunshine Days	Sunniest Days	
			Day	Hours
1930	1821.4	320	June 29th	15.4
1931	1610.5	309	June 27th	15.0
1932	1616.7	313	June 15th	15.0
1933	2102.6	323	July 4th	15.2
1934	1811.0	289	July 10th	15.5
1935	1805.2	309	July 8th	15.0
1936	1675.0	310	June 23rd	15.2
1937	1668.3	317	June 6th	14.4
1938	1796.4	310	June 21st	15.3
1939	1809.7	310	June 1st	15.4
1940	1976.8	323	July 1st	15.2
1941	1791.7	317	June 25th	15.2
1942	1711.6	312	June 5th	14.8
1943	1864.8	313	June 24th	14.9
1944	1765.5	315	June 24th	14.9
1945	1783.9	309	June 17th	14.8
1946	1790.7	307	July 10th	15.1
1947	1896.8	294	June 10th	14.9
1948	1916.9	319	May 18th	14.9
1949	2128.9	317	July 10th	14.8
1950	1805.4	312	June 16th	15.1
Average for 20 years 1930—1949	1817.2	312		

TABLE 6.—RAINFALL.

1950			Total Rain- fall	Difference from the Normal	Greatest Fall in 24 hours beginning 9 a.m.	Number of Days with		Total Rain Days
						.01 in. or more	.04 in. or more	
January	..		ins. 0.97	ins. —1.35	ins. 0.40	7	4	7
February	..		4.33	+2.36	0.77	18	15	18
March	..		1.23	—0.73	0.27	10	8	10
April	..	..	1.94	+0.37	0.83	16	9	16
May	..	..	1.06	—0.59	0.38	7	4	7
June	..	..	0.58	—1.15	0.34	5	3	5
July	..	..	2.75	+0.71	0.48	17	14	17
August	..		2.43	+0.19	0.72	15	13	15
September	..		3.11	+0.99	0.59	24	17	24
October	..		0.69	—2.93	0.25	8	4	8
November	..		5.74	+2.56	0.89	16	14	16
December	..		2.12	—0.91	0.40	14	9	14
Year	..	..	26.95	—0.48	0.89	157	114	157

TABLE 7.—RAINFALL.

Year	Rainfall in inches	No. of Days Rain fell (0.01 inch or more)	Greatest Fall in a Day	
			Amount in inches	Day and Month
1930	28.31	169	0.85	2nd August
1931	25.80	147	1.25	10th November
1932	23.91	148	1.22	20th October
1933	20.40	125	1.44	12th September
1934	27.49	139	1.62	8th November
1935	37.74	173	1.39	7th November
1936	27.42	169	1.79	6th November
1937	31.59	162	0.87	4th February
1938	22.95	156	0.75	24th September
1939	34.42	171	1.41	13th October
1940	30.13	148	1.50	3rd November
1941	25.83	139	1.36	4th June
1942	24.62	129	1.06	25th October
1943	23.68	145	1.74	13th January
1944	22.14	136	1.22	20th October
1945	22.98	138	2.05	10th July
1946	30.96	170	2.02	16th August
1947	24.31	139	0.94	10th March
1948	25.23	154	1.41	6th August
1949	23.90	120	1.34	20th October
Average for 20 years	26.66	149	2.05	10th July 1945
1950	26.95	157	0.89	20th November

TABLE 8.—BAROMETRIC PRESSURE AND TEMPERATURE

1950	Barometric Pressure (Reduced to Sea Level and 32° Fahr.)			Air Temperature in Screen					
	Mean Inches.	Extremes.		Means of		Mean of A & B	Difference from Normal	Extremes	
		Highest	Lowest	A Max.	B Min.			Max.	Min.
January	30.184	30.598	29.699	45	38	42	+1.2	54	27
February	29.451	30.303	29.140	49	39	44	+3.3	55	30
March	30.164	30.567	29.712	52	41	47	+3.5	59	28
April	29.837	30.204	29.348	54	42	48	+0.9	65	33
May	30.038	30.291	29.632	61	48	55	+0.6	74	40
June	30.037	30.274	29.520	69	56	62	+4.2	81	47
July	29.974	30.297	29.623	68	57	63	+1.2	73	50
August	29.910	30.245	29.570	69	58	64	+1.4	77	51
September	29.602	30.269	29.464	64	53	59	—	71	41
October	30.082	30.498	29.558	58	48	53	+0.3	65	33
November	29.755	30.212	28.957	51	41	46	+0.4	57	32
December	29.823	30.226	29.400	41	32	36	—5.9	52	24
Year 1950	29.905	30.598	28.957	57	46	51	+0.5	81	24

TABLE 9.—WINDS.

Month.	9 a.m. OBSERVATIONS.—DIRECTION.								
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January	5	6	2	2	1	6	3	6	—
February	1	1	—	3	5	11	2	5	—
March	4	3	2	3	5	8	2	4	—
April	5	3	—	1	2	5	5	9	—
May	3	8	2	3	3	6	3	3	—
June	—	3	1	5	—	11	7	3	—
July	3	3	1	1	4	12	6	1	—
August	2	2	1	3	6	8	6	3	—
September	3	—	—	1	1	7	13	5	—
October	4	7	1	—	3	6	8	2	—
November	2	2	1	2	2	5	8	8	—
December	3	9	—	3	—	2	3	11	—
Year 1950 ..	35	47	11	27	32	87	66	60	—

Month.	6 p.m. OBSERVATIONS.—DIRECTION.								
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
January	3	11	—	3	1	6	2	5	—
February	3	1	—	6	2	10	1	5	—
March	4	3	—	6	3	5	4	6	—
April	2	2	—	2	—	10	5	9	—
May	—	10	1	4	2	9	2	3	—
June	—	2	—	6	—	14	5	3	—
July	—	2	—	4	3	14	8	—	—
August	1	—	—	2	2	14	11	1	—
September	2	—	—	—	2	14	7	5	—
October	2	5	—	2	1	14	3	4	—
November	4	1	—	2	4	7	2	10	—
December	—	10	—	3	—	3	2	13	—
Year 1950 ..	21	47	1	40	20	120	52	64	—

KEY TO TABLE 10.—VISIBILITY.

Letter	Standard Distance	Actual Distance	Description of visibility	Object	View Point	Bearing
A	22 yards	21 yards	Dense Fog	Chestnut tree on opposite side of road	Office Door	S.E.
B	44 yards	45 yards	Dense Fog	Chestnut tree outside entrance to "Ryecroft"	Office Gate	E.
C	110 yards	110 yards	Thick Fog	N.W. corner of Town Hall	Office Gate	E.
D	220 yards	220 yards	Fog	Christ Church Tower	Office Window	S.
E	440 yards	430 yards	Moderate Fog	Holy Trinity Church Spire	Christ Church Tower	S.W.
F	1100 yards	1100 yards	Mist or Haze	Heene Church Tower	" "	W.
G	1¼ miles	1¼ miles	Poor	Tarring Church Tower	" "	N.W.
H	2½ miles	2¾ miles	Moderate	Top of High Salvington Hill	" "	N.W.
I	4½ miles	4¼ miles	Good	Highdown Hill	" "	W.N.W.
J	6¼ miles	6⅝ miles	Good	Portslade Gas Works Chimney	" "	E.
K	12½ miles	12½ miles	Very Good	Hills beyond Brighton	" "	E.
L	18⅔ miles	18¼ miles	Excellent	Selsey Bill	" "	W.S.W.
M	25 miles	27 miles	Abnormal	Beachy Head	" "	E.S.E.

TABLE 11.—CLIMATE OF WORTHING—1881—1950.

Year	Temperatures							Rainfall		Sunshine	Year
	Means					Extremes		Amount at Observ- atory	Number of days rain fell	Number of hours in year	
	9 a.m.	Min.	Max.	Range	Mean	Min.	Max.				
	Degrees							Inches			
1881 ..	50.3	43.4	55.0	11.6	49.2	13.5	82.0	29.60	142	—	..1881
1882 ..	51.6	45.1	56.5	11.4	50.8	26.6	81.0	32.35	180	—	..1882
1883 ..	50.7	43.9	55.9	12.0	49.9	23.3	75.7	26.05	174	—	..1883
1884 ..	52.0	45.6	56.8	11.2	51.2	27.0	83.3	23.51	126	—	..1884
1885 ..	50.0	48.7	55.1	11.4	49.4	25.2	81.7	28.09	156	—	..1885
1886 ..	50.0	44.0	55.2	11.2	49.6	23.2	78.0	31.89	164	—	..1886
1887 ..	48.4	41.6	54.1	12.5	47.9	17.4	82.0	21.28	137	—	..1887
1888 ..	48.0	42.4	53.3	10.9	47.8	20.2	78.8	25.88	181	—	..1888
1889 ..	49.5	42.7	54.8	12.1	48.8	21.9	81.5	23.92	159	—	..1889
1890 ..	49.4	42.2	54.6	12.4	48.4	14.9	78.0	22.84	149	—	..1890
1891 ..	49.4	42.4	54.8	12.2	48.4	16.5	77.0	29.86	172	—	..1891
1892 ..	49.1	41.8	54.5	12.7	48.2	20.2	76.0	23.73	141	—	..1892
1893 ..	52.3	44.0	57.7	13.7	50.9	18.2	84.7	25.12	142	—	..1893
1894 ..	51.2	44.9	52.8	10.9	50.3	12.9	80.2	35.71	184	—	..1894
1895 ..	50.4	43.0	56.5	12.5	49.3	16.2	77.9	26.09	162	—	..1895
1896 ..	51.0	43.3	56.5	13.2	49.9	22.9	80.7	25.74	152	—	..1896
1897 ..	51.4	44.7	56.9	12.2	50.8	21.9	80.7	26.07	172	—	..1897
1898 ..	52.2	45.7	57.6	11.9	51.6	27.0	80.9	22.51	158	—	..1898
1899 ..	51.9	45.0	57.6	12.6	51.3	23.6	84.4	26.23	144	2141.0	..1899
1900 ..	51.2	44.9	56.2	11.3	50.6	20.9	79.0	26.33	182	1885.6	..1900
1901 ..	50.2	43.6	55.8	12.2	49.7	22.9	80.7	21.45	139	2017.0	..1901
1902 ..	50.2	43.6	55.6	11.1	49.6	21.8	78.0	23.77	157	1661.7	..1902
1903 ..	50.9	45.2	55.4	10.2	50.3	23.7	78.2	32.19	189	1749.2	..1903
1904 ..	50.4	44.3	55.5	11.2	49.9	23.8	77.4	26.85	163	1748.4	..1904
1905 ..	50.1	42.2	55.6	11.4	49.1	23.9	77.1	24.63	162	1715.3	..1905
1906 ..	50.6	44.3	56.1	11.8	50.2	24.9	78.6	30.44	173	2010.6	..1906
1907 ..	50.2	45.1	54.8	9.5	50.0	20.4	76.1	21.78	158	1776.8	..1907
1908 ..	50.9	44.1	56.1	12.1	50.1	16.0	80.2	22.15	146	1991.3	..1908
1909 ..	49.7	43.0	54.6	11.6	48.8	19.9	81.2	32.11	178	1958.6	..1909
1910 ..	50.8	44.5	55.9	11.5	50.1	21.9	73.8	32.57	191	1731.0	..1910
1911 ..	52.8	45.1	58.0	12.9	51.5	25.4	87.9	31.68	149	2115.0	..1911
1912 ..	51.6	45.0	56.6	11.6	50.8	19.0	84.2	35.95	192	1609.9	..1912
1913 ..	52.1	45.9	57.4	11.5	51.6	26.2	79.0	34.98	170	1600.2	..1913
1914 ..	52.7	45.2	57.9	12.7	51.5	23.2	78.2	31.31	164	2000.5	..1914
1915 ..	51.1	43.8	56.3	11.8	50.5	24.7	77.1	36.64	152	1801.3	..1915
1916 ..	51.2	44.7	56.3	11.6	50.5	25.0	77.0	32.89	182	1658.0	..1916
1917 ..	49.2	43.0	54.6	11.6	48.8	20.7	79.0	25.49	147	1804.7	..1917
1918 ..	51.0	44.7	56.5	11.8	50.6	20.0	78.0	24.41	165	1856.5	..1918
1919 ..	49.4	42.9	54.9	12.0	48.9	22.0	78.5	28.54	158	1788.5	..1919
1920 ..	51.7	45.6	56.6	11.0	51.1	23.0	76.0	26.40	139	1692.1	..1920
1921 ..	53.4	46.4	58.8	12.4	52.6	27.6	86.7	13.26	108	2101.5	..1921
1922 ..	50.1	43.9	54.8	10.9	49.3	25.2	78.2	25.71	159	1781.2	..1922
1923 ..	50.8	44.5	55.6	11.1	50.1	24.0	86.0	30.62	170	1805.9	..1923
1924 ..	50.8	45.4	55.3	9.9	50.3	25.0	74.6	32.65	159	1759.6	..1924
1925 ..	49.8	44.7	55.9	11.2	50.3	24.0	80.2	34.70	158	1955.8	..1925
1926 ..	51.6	45.7	56.7	11.0	51.2	21.8	83.3	28.57	160	1677.7	..1926
1927 ..	50.8	45.0	55.8	10.8	50.4	22.4	78.1	34.88	165	1731.4	..1927
1928 ..	51.9	45.1	57.0	11.9	51.0	21.6	82.0	32.84	161	1999.1	..1928
1929 ..	50.9	44.1	56.0	11.9	50.0	13.0	80.0	29.71	134	2062.5	..1929
1930 ..	52.0	46.9	56.4	9.5	51.3	26.0	82.6	28.31	169	1821.4	..1930
1931 ..	51.0	45.0	55.0	10.0	50.0	21.0	77.0	25.80	147	1610.5	..1931
1932 ..	50.5	45.1	55.8	10.7	50.5	23.0	80.0	23.91	148	1616.7	..1932
1933 ..	52.0	45.5	56.4	10.9	51.2	23.6	81.2	20.40	125	2102.6	..1933
1934 ..	52.1	45.6	57.5	11.9	51.8	24.0	82.0	27.49	139	1811.0	..1934
1935 ..	51.8	46.1	56.6	10.5	51.3	25.6	83.8	37.74	173	1805.2	..1935
1936 ..	51.3	45.4	55.9	10.5	50.7	27.1	81.3	27.42	169	1675.0	..1936
1937 ..	51.5	46.3	57.2	10.9	51.8	26.0	76.8	31.59	162	1668.3	..1937
1938 ..	52.7	46.1	57.1	11.0	51.6	19.5	82.5	22.95	156	1796.4	..1938
1939 ..	51.8	45.8	56.5	10.7	51.2	20.0	81.5	34.42	171	1809.7	..1939
1940 ..	50.0	45.0	56.0	11.0	50.5	16.0	80.0	30.13	148	1976.8	..1940
1941 ..	50.3	44.0	56.0	12.0	50.0	22.0	83.0	25.83	139	1791.7	..1941
1942 ..	50.0	44.8	55.3	10.5	50.5	19.0	83.0	24.62	129	1711.6	..1942
1943 ..	52.0	46.0	58.0	12.0	52.0	28.0	80.0	23.68	145	1864.8	..1943
1944 ..	51.3	45.4	56.2	10.8	50.8	26.0	81.0	22.14	136	1765.5	..1944
1945 ..	52.5	46.5	57.2	10.7	51.2	19.0	80.0	22.98	138	1783.9	..1945
1946 ..	51.6	45.5	55.7	10.2	50.6	23.0	76.0	30.96	170	1790.7	..1946
1947 ..	51.3	45.7	56.1	10.4	50.9	15.0	90.0	24.31	139	1896.8	..1947
1948 ..	52.6	46.6	57.6	11.0	52.1	17.0	88.0	25.23	154	1916.9	..1948
1949 ..	53.3	47.2	58.4	11.2	52.8	29.0	81.0	23.90	120	2128.9	..1949
1950 ..	52.1	46.1	56.7	10.6	51.4	24.0	81.0	26.95	157	1805.4	..1950

WEST SUSSEX COUNTY COUNCIL.

WORTHING HEALTH SUB-COMMITTEE.

ANNUAL REPORT

on the

Administration of the Health Services provided
in the Borough of Worthing by the Local Health
Authority under Part III of the National Health
Service Act 1946 for the year 1950.

G. H. PRINGLE,
M.R.C.S., L.R.C.P., D.P.H.

Medical Officer.

Health Department,
Worthing Lodge,
Stoke Abbott Road,
Worthing.

August, 1951.

To the Chairman and Members of the Worthing Health Sub-Committee

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Report on the second year's working of the Health Services in Worthing provided under Part III of the National Health Service Act. The day-to-day administration of the various sections of this part of the Act has been delegated to the Worthing Health Sub-Committee, and this report summarises the work carried out under each section during the year.

The increasing demands in connection with the care and nursing of the aged and chronic sick have continued during the year, and the Home Nursing and Domestic Help Services have been used to the fullest extent.

I should like to take this opportunity of acknowledging the loyalty and willing assistance I have received from all members of the staff—medical, nursing, and clerical. I should also like to record my sincere appreciation of the assistance given by Dr. Bradshaw and members of his staff.

I am also pleased to thank once again the numerous voluntary helpers who have continued to assist either at clinics or in other branches of the work during the year.

Finally, I should like to express my appreciation of the helpful support I have always received from the Chairman and the members of the Sub-Committee.

I am,

Mr. Chairman, Ladies and Gentlemen,

Your obedient servant,

G. H. PRINGLE,
Medical Officer.

WORTHING HEALTH SUB-COMMITTEE

(as at 31st December, 1950).

Councillor R. A. MITCHELL, (*Chairman*)

County Councillor H. L. BAXENDALE (*Vice-Chairman*)

County Alderman D. BRYCE

County Alderman F. W. H. MIGEOD, F.R.G.S., F.R.A.I.

Councillor T. A. CLIFFORD

Councillor Mrs. C. S. CORTEEN, B.A.

County Councillor Mrs. A. ELLIOTT

Councillor Mrs. M. I. KEELE

County Councillor K. J. A. O. MANNING

Councillor T. D. RABY, L.D.S., R.C.S. (Eng.)

Councillor Mrs. D. STAPLETON SKINNER

Dr. H. ROSENBERG

STAFF.

(As at 31st December, 1950)

Medical Officer:

G. H. PRINGLE, M.R.C.S., L.R.C.P., D.P.H.

Deputy Medical Officer:

J. C. AITKEN, M.B., CH.B., D.P.H.

Visiting Consultants and Part-time Medical Staff:

<i>Infant Welfare, Durrington and Findon Clinics:</i>	..	B. A. KERR, B.S., M.R.C.S., L.R.C.P.
<i>Infant Welfare, Central and Goring Clinics:</i>	..	M. HIGGS, M.B., B.S., M.R.C.S., L.R.C.P.
<i>Immunisation, Durrington Clinic:</i>	.. ..	B. A. KERR, B.S., M.R.C.S., L.R.C.P.
† <i>Orthopaedic Surgeon:</i>	.. ..	J. A. CHOLMELEY, B.S., F.R.C.S.
† <i>Ophthalmic Surgeon:</i>	.. ..	S. D. WALLIS, M.R.C.S., L.R.C.P., D.O.M.S.
† <i>Ear, Nose and Throat Surgeon:</i>	.. ..	H. G. DOWNER, M.B., CH.B., D.L.O.R.C.P.S.
<i>Dental Officer:</i>	.. ..	Vacant
<i>Physiotherapist</i>	.. ..	Miss P. LYNCH, M.C.S.P., M.E.L.E.T.
<i>Orthoptist</i>	.. ..	Miss H. WISE.
<i>Speech Therapist</i>	.. ..	Miss M. G. McCOMBIE, L.C.S.T.

Health Visiting Staff:

Senior Health Visitor and Assistant County Nursing Superintendent .. Miss G. RICHES,
S.R.N., S.C.M., H.V.Cert.

<i>Health Visitors</i>	.. ..	Mrs. E. M. ALLEN, S.R.N., S.C.M.
	.. ..	Miss G. CARTER, S.R.N., S.C.M., H.V.Cert.
	.. ..	Miss A. M. LEE, S.R.N., S.C.M., H.V.Cert.
	.. ..	Miss C. MAW, S.R.N., Part I, S.C.M., H.V.Cert.
	.. ..	Miss G. ROBILIARD, S.R.N., S.C.M., H.V.Cert.
	.. ..	Miss M. A. G. WILLIAMS, S.R.N., S.C.M., H.V.Cert.

Midwifery Service:

4 whole-time District Midwives.

Home Nursing Service:

12 whole-time and 2 part-time District Nurses.

Domestic Help Service:

Borough Organiser Miss E. E. STEVENS*

Clerical Staff:

<i>Chief Clerk</i>	.. ..	T. L. CANTON
<i>Clerks</i>	.. ..	S. F. JUPP
		D. TAYLOR
		Miss P. M. MAY
		Miss O. PARKER*
		Miss O. RAND
		Miss B. M. WHITE

Officers marked with an asterisk devote their whole-time to Part III Services.

†Consultants under contract to the Regional Hospital Board.

CARE OF MOTHERS AND YOUNG CHILDREN.

CHILD WELFARE CENTRES.

There are four Welfare Centres in the Borough where mothers may take their children of pre-school age. Facilities are available for the purchase of Dried Milk, Cod-liver Oil and Malt, and other preparations. All the Centres are under the supervision of a Medical Officer.

Attendances at Child Welfare Centres:—

	<i>Central</i>	<i>Dur-</i> <i>rington</i>	<i>Goring</i>	<i>Findon</i> <i>Valley</i>	<i>Total</i>
(1) No. of clinics held . .	100	24	26	24	174
(2) No. of children who attended Centres	801	144	238	75	1258
(3) Total number of at- tendances made by children . .	5461	796	1350	588	8195
(4) Average attendance per clinic . .	54.6	33.2	51.9	24.5	47.0

The number of children who first attended at the Centres during the year, whilst they were under 1 year of age was 444, which shown as a percentage of the notified live births gives a figure of 63.16.

The attendances of children at all the Centres during the last ten years have been as follows:—

<i>Year</i>	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
No. of attendances	7556	11521	12215	14374	11941	13249	15928	9706	8948	8195
% of first attend- ances to notified live births . .	69.54	73.40	67.86	72.33	65.22	56.53	65.52	61.33	61.66	63.16

Welfare Centres:—

The Central Clinic, Stoke Abbott Road, Worthing.

Monday and Friday afternoons.

Church Hall, New Road, Durrington.

Second and fourth Thursday afternoon in each month.

*St. Mary's Hall, Goring.

Every Thursday afternoon.

Free Church Hall, Vale Walk, Findon Valley.

First and third Wednesday afternoon in each month.

*Welfare centre provided in St. Mary's Hall as from 7th December 1950 in place of John Molson Hall.

ORTHOPAEDIC CLINIC.

Mr. J. A. Cholmeley conducted a clinic each month, and sessions for physiotherapy were held on four afternoons each week.

The following table gives details regarding the use of this Clinic by children of pre-school age:—

	<i>Orthopaedic Surgeon</i>	<i>Physiotherapist</i>
No. of cases examined/treated ..	52	96
New cases	37	67
Old cases	15	29
Total attendances	74	683
Number of patients supplied with orthopaedic appliances through the National Health Service.. .. .		17
Number of patients admitted to hospital		3
Number of X-rays carried out		9

The following table analyses the cases seen by the Orthopaedic Surgeon during the year:—

<i>Diagnosis</i>	<i>Boys</i>	<i>Girls</i>	<i>Total</i>
<i>Congenital Defects</i>			
Spastic Paralysis ..	1	—	1
Dislocation of Hip ..	1	—	1
Other Conditions ..	2	6	8
<i>Birth Injuries</i>			
Torticollis	2	1	3
<i>Rickety Deformities</i>			
Bow Legs	5	1	6
Knock Knees	2	2	4
Knock-Knees (Non-rickety)	7	2	9
<i>Structural Curvature of the Spine</i>	1	—	1
Flat Feet etc.	6	5	11
Infantile Paralysis ..	2	4	6
Other conditions ..	1	1	2
Total ..	30	22	52

OPHTHALMIC CLINIC.

Children under five years of age attending the Welfare Centres who require ophthalmic treatment for defective vision or squint are referred for such treatment to the Ophthalmic Surgeon at the School Clinic, who holds one session each week.

During the year the following cases were referred:—

New cases	49
Re-examinations	61
Total attendances	110

ORTHOPTIC CLINIC.

Children of pre-school age attending the Welfare Centres and needing special eye exercises, mainly for the correction of squint, are referred for such treatment to the Orthoptist at the School Clinic who holds two sessions per week. The following cases were referred:—

New cases	..	..	..	..	4
Re-examinations	..	..	..	..	11
Total attendances	..	..	..	..	21

EAR, NOSE AND THROAT CLINIC.

Children under five years of age attending the Welfare Centres and requiring treatment for ear, nose and throat defects are referred for such treatment to the Ear, Nose and Throat Specialist at the School Clinic.

During the year the following cases were referred:—

New cases	..	..	..	..	28
Old Cases	..	..	..	..	3
Total attendance	..	..	..	..	48

The Specialist held 23 sessions during the year.

In addition 30 cases were given “displacement treatment” for chronic catarrhal conditions.

SPEECH THERAPY CLINIC.

Children under school age with speech defects are referred to the Speech Therapist at the School Clinic.

During the year, 2 such cases were treated.

MINOR AILMENTS.

Arrangements are in force whereby children under school age attending the Welfare Centres, who require treatment for minor ailments, can attend the Minor Ailments Clinic of the School Health Service.

During the year 41 such cases were treated.

CARE OF PREMATURE INFANTS.

All infants weighing up to $5\frac{1}{2}$ lb. at birth are included under this heading and in Worthing a special note is made on the notification of birth cards in respect of all infants whose birth weight is $5\frac{1}{2}$ lbs. or less.

Special arrangements for the care of premature infants in their own homes are made within the Midwifery and Health Visiting Services, and infants who cannot be cared for at home are admitted to hospital.

Premature infants born in hospital are notified to the Department on discharge and are kept under supervision by the Health Visitors and invited to attend the Welfare Centres.

The following statement shows the survival rate of infants born prematurely at home and in private nursing homes to mothers normally resident in the Borough.

				<i>Born at home</i>	<i>Born in private nursing homes</i>
(a)	Total births	..	..	7	9
(b)	Died within 24 hours	..	..	—	1
(c)	Died within 7 days	..	..	—	1
(d)	Survived 1 month	..	..	7	7

DENTAL SERVICE.

Nursing and expectant mothers and children under five years of age may obtain dental treatment at the Dental Clinic, which is situated in the Central Clinic buildings.

Miss S. Levy, Borough School Dental Officer, who had acted almost continuously since 1943 as Dental Officer to the ante-natal and child welfare clinics, left the service of the Worthing Borough Council on the 15th July, 1950. It was not possible to fill the vacancy but limited assistance has been obtained from the County Dental Officer's staff.

The following Table gives details of the treatment carried out during the year:—

(a) Numbers provided with dental care:

	Examined	Needing treatment	Treated	Made dentally fit
Expectant and Nursing Mothers	57	55	46	28
Children under five	102	96	85	78

(b) Forms of dental treatment provided:

	Extract-ions	Anaethetics		Fill-ings	Scalings or Scaling and gum treatment	Silver Nitrate treat-ment	Dress-ings	Radio-graphs	Dentures provided		Den-tures repaired
		Local	Gen-eral						Com-plete	Par-tial	
Expectant and Nursing Mothers	39	25	3	70	14	2	16	1	—	8	4
Children under five	94	31	36	45	2	15	10	—	—	—	—

Dental X-rays are carried out at Worthing Hospital and arrangements exist for the supply of dentures locally.

ANTE-NATAL AND POST-NATAL CLINICS.

Two combined ante-natal and post-natal clinics have been in operation throughout the year. These have been held at the Central Clinic, Stoke Abbott Road, every Tuesday and Wednesday afternoon.

The following is a summary of attendances etc. at these clinics:—

Medical Officer's Clinic

No. of clinics	..	..	..	..	51
New cases—					
ante-natal	..	..	..	..	287
post-natal	..	..	..	..	38
Re-examinations—					
ante-natal	..	..	..	..	744
post-natal	..	..	..	..	6
Total attendance	..	..	..	..	1,107

Midwives' Clinic

No. of clinics	..	..	..	..	28
New cases	..	..	..	..	43
Total attendance	..	..	..	..	314

ANTE-NATAL AND POST-NATAL RELAXATION EXERCISES CLINIC.

A special clinic is held at the Central Clinic under the supervision of Miss P. Lynch, M.C.S.P., who also undertakes the physiotherapeutic work in connection with the orthopaedic clinic, and the following is a summary of attendances etc.

No of Clinics	..	..	..	..	34
Total attendances	..	..	..	..	90

DOMICILIARY MIDWIFERY SERVICE.

There are four whole-time certificated midwives in the Borough, who are available for attendance on women in their homes. Details of cases attended and the number of visits made are set out in the following Table:—

Confinements attended—				
as midwife	..	..	..	115
as maternity nurse	..	..	..	101
Analgesia administered—				
as midwife	..	..	..	101
as maternity nurse	..	..	..	91
Nursings—				
as midwife	..	..	..	2021
as maternity nurse		..	..	2021
Ante-natal visits	..	..	..	2514
Miscellaneous visits		..	..	314
No. of maternal deaths during the year (Patient died in Hospital)	..	..		1
No. of domiciliary still-births during the year			..	1

The total number of births during the year was 714, and of these the number of hospital confinements was 357, confinements in nursing homes 135, and 222 cases were domiciliary confinements. There are many factors to take into consideration, but there is little doubt that in common with many other parts of the country, the proportion of hospital confinements (50 per cent of the total) is probably higher than is either necessary or desirable.

HEALTH VISITING IN THE HOMES.

Seven Health Visitors devote half their time to duties connected with the Health Services provided under Part III of the National Health Service Act 1946. Part of these duties is concerned with Section 24 of the Act which includes the visiting of persons in their homes for the purpose of giving advice as to the care of young children, persons suffering from illness, and expectant or nursing mothers, and as to the measures necessary to prevent the spread of infection.

The following are details of visits made by the Health Visitors during the year:—

Expectant and nursing mothers. Total visits	..	377
First visits to infants under 1 year of age	..	697
Re-visits to infants under 1 year of age	..	3,125
Children 1-5 years. Total visits	..	4,718
Infant deaths	..	14
Stillbirths	..	11
Infectious disease visits	..	124
Tuberculosis visits	..	419
Investigation of social conditions of chronic sick cases		75
Home visits in connection with Domestic Help Service		307
Special visits	..	145

PREVENTION OF ILLNESS, CARE AND AFTER-CARE.

(1) Tuberculosis.

The Health Visitors continued to attend at the Chest Clinics held at Worthing Hospital. They also made 419 visits to patients in their own homes.

The Worthing Area Committee of the Sussex Rural Community Council has met quarterly and has been instrumental in helping many patients and their families.

(2) Care and after-care.

At the beginning of 1950 a Care Almoner was appointed for Worthing and district for the purpose of following up, when necessary, persons discharged from hospital.

(3) Prevention of Illness.

The Health Visitors continue to play an important part in health education during the year. In addition exhibition stands relating to various aspects of the Health Services were erected in the clinics, and the Medical Officer of Health gave a number of talks to local organisations in the Borough.

VACCINATION AND IMMUNISATION.

1. Vaccination.

Vaccinations are carried out by Practitioners as a part of the General Medical Service, and a fee is payable by the County Council for the Record of the vaccination which the Practitioner supplies in each case.

The following table gives details of the vaccinations carried out during the year:—

Number of Persons Vaccinated (or re-vaccinated)

Age at date of vaccination ..	Under 1	1 to 4	5 to 14	15 or over	Total
Number vaccinated	88	123	24	16	251
Number re-vaccinated	—	3	28	117	148

Number of cases specially reported (age groups as above)

(a) Generalised Vaccinia	—	—	—	—	—
(b) Post-vaccinal Encephalomyelitis	—	—	—	—	—
(c) Death from complications of vaccination other than (a) and (b)	—	—	—	—	—

The Health Visitors reports show that 289 infants under one year were actually vaccinated during the year. This represents 41.3 per cent of the total live registered births compared with 28.8 per cent in 1949.

2. Diphtheria Immunisation.

During the year 467 children received complete treatment as compared with 612 in the previous year. 284 children were immunised at the Clinics and 183 by medical practitioners, who submitted a record of the immunisation for which the County Council paid a fee.

TABLE A.

The following Table gives details of the treatment undertaken during the year:—

Number of children who completed a full course of primary immunisation			Number of children receiving a reinforcing injection
Age at date of Final Injection		Total	332
Under 5	* 5-14	467	
451	16		

TABLE B.

Immunisation in Relation to Child Population.

Age at 31.12.50 <i>i.e.</i> born in year	Under 1 1950	1 1949	2 1948	3 1947	4 1946	5 to 9 1941-45	10 to 14 1936-40	Total under 15	Percent- age Im- munised
Number immunised	27	392	513	642	579	2182	2163	6498	55.7
Estimated mid-year child population 1949	Children under five 4125					Children 5-14 7539		11664	

Diphtheria immunisation is carried out at the following clinics:—

Central Clinic ..	.. Tuesday at 2.30 p.m.
Durrington Clinic ..	.. Monday at 2.30 p.m. at monthly intervals.
Goring Clinic ..	.. As required.
Findon Valley Clinic ..	.. As required.

AMBULANCE SERVICES.

Since the 5th July, 1948, the St. John Ambulance Brigade has acted as agent for the County Council in operating the Ambulance and Hospital Car Services in the Borough of Worthing.

During the year the Worthing Ambulance Division carried 4,408 patients covering a total distance of 54,571 miles.

HOME NURSING SERVICE.

The services of the Home Nurses are provided on the recommendation of a doctor to any patient requiring such service. The nursing staff at the 31st December comprised an Assistant County Superintendent Nursing Officer, 12 full-time and 2 part-time Home Nurses.

The following Table gives particulars of the number of cases dealt with during the year under review:—

No. of cases attended by Home Nurses	1,977
No. of visits paid by Home Nurses	38,616

It is of interest to note that during the period 5th July to 31st December, 1948, the total number of nursing visits was 11,963 (*i.e.* at the approximate rate of 23,926 per year) and for the whole of the year 1950 the number of these visits was 38,616 representing an increase of 61%.

A high proportion of the patients are chronic cases in which the nursing work is arduous, and at times it has been exceedingly difficult to cope with the steadily increasing demand which does not yet appear to have found its level.

DOMESTIC HELP SERVICE.

This service was well established in Worthing before the National Health Act came into force, and has continued to provide assistance where Domestic help is required in connection with cases of illness, aged persons, maternity cases and other cases of need. Applications for help are only approved on the recommendation of a doctor or midwife, and all circumstances are carefully investigated in order to assess the amount of help required.

A charge is made for the services of a Domestic Help, the amount being determined according to the financial circumstances of the applicant.

Applications for Assistance.	<i>Maternity Cases</i>	<i>Other Cases</i>	<i>Total</i>
(a) No. of cases receiving assistance at 1st January, 1950	8	147	155
(b) No. of new applications received ..	90	343	433
(c) No. of cases in (b) assisted	76	333	409
(d) No. of cases in (b) approved, but for which assistance was not available	—	—	—
(e) No. of cases in (b) not approved ..	—	—	—
(f) No. of applications in (b) withdrawn			
(i) Before arrangements made ..	13	9	22
(ii) After arrangements made ..	1	1	2
(g) No. of cases in (a) and (b) completed during the year	79	310	389
(h) No. of cases receiving assistance at end of year	5	170	175

Number of Domestic Helps employed at 31st December, 1950:—
 (a) Whole-time .. 7 (b) Part-time .. 34

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